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MEMOIRS

OF

DR. JOSEPH PRIESTLEY, LL. D. F. R. S.

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Memoirs
of
Priestley

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MEMOIRS

OF

DR. JOSEPH PRIESTLEY,

TO THE YEAR 1795,

WRITTEN BY HIMSELF;

WITH A CONTINUATION, TO THE TIME OF HIS DECEASE,

BY HIS SON, JOSEPH PRIESTLEY;

AND OBSERVATIONS ON HIS WRITINGS,

By Thomas Cooper, President Judge of the

4th district of Pennsylvania: and the

Rev. William Christie.

LONDON:

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TABLE OF CONTENTS.

PREFACE, - - - - PAGE i

Memoirs with Notes, - - - 1

Continuation of the Memoirs, - - 129

Appendix No. 1. An Account of Dr. Priestley's Discoveries in Chemistry, and of his writings on that, and other Scientific subjects, - - 223

— — No. 2. An Account of his Metaphysical writings, - - - 294

— — No. 3. An Account of his Political works and opinions, - - 321

— — No. 4. An Account of his Miscellaneous writings, - - 378

— — No. 5. A Summary of his Religious opinions. - - - - 465

PREFACE.

MY father, Dr. Priestley, having taken the trouble of writing down the principal occurrences of his life, to the period of his arrival in this country, that account is now presented to the public in the state in which he left it, one or two trifling alterations excepted. The simple unaffected manner in which it is written, will be deemed, I have no doubt, far more interesting, than if the narrative itself had been made the text of a more laboured composition.

Independent of the desire, so universal among mankind, to know somewhat of the private as well as the public history of those who have made themselves eminent among their fellow citizens, the life of my father is likely to be more useful as well as more interesting than those of the generality of literary men; not only as it is an account of great industry combined with great abilities, successfully exerted for the extension of human improvement, but because it affords a striking proof of the value

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of rational christianity, adopted upon mature reflection and practiçed with habitual perseverance.

Few men have had to struggle for so many years with circumstances more straitened and precarious than my father; few men have ventured to attack so many or such inveterate prejudices respecting the prevalent religion of his country, or have advanced bolder or more important opinions in opposition to the courtly politics of the powers that be; few have had to encounter more able opponents in his literary career, or have been exposed to such incessant and vindictive obloquy, from men of every description, in return for his unremitting exertions in the cause of truth; yet none have more uniformly proceeded with a single eye, regardless of consequences, to act as his conviction impelled him, and his conscience dictated. His conduct brought with it its own reward, reputation and respect from the most eminent of his contemporaries, the affectionate attachment of most valuable friends, and a cheerfulness of disposition arising in part from conscious rectitude which no misfortunes could long repress. But to me it seems, that conscious rectitude alone would hardly, of itself, have been able to support him under some

of

of the afflictions he was doomed to bear. He had a farther resource, to him never failing and invaluable, a firm persuasion of the benevolence of the Almighty towards all his creatures, and the conviction that every part of his own life, like every part of the whole system, was preordained for the best upon the whole of existence. Had he entertained the gloomy notions of Calvinism in which he was brought up, this cheering source of contentment and resignation would probably have failed him, and irritation and despondency would have gained an unhappy ascendancy. But by him the deity was not regarded as an avenging tyrant, punishing, for the sake of punishing his weak and imperfect creatures, but as a wise and kind parent, inflicting those corrections only that are necessary to bring our dispositions to the proper temper, and to fit us for the highest state of happiness of which our natures are ultimately capable.

With these views of the present and the future, it is no wonder that he submitted with perfect resignation to the inevitable vicissitudes of human life, and looked forward to futurity, as a period of existence when his capacity for receiving happiness would be greater because his capacity for communicating it would be enlarged.

My

My father's narrative closing with his arrival in this country, where he has done so much for the promotion of useful knowledge of all kinds, I have compleated the account of his life from that period to the termination of it. The Notes have been added to the narrative as desireable illustrations of the passages to which they refer.

I have likewise thought it proper to add a review of my father's literary labours, in order to give the reader a knowledge of his opinions on many important subjects, likewise, of the share in the increase of human knowledge, which may be justly ascribed to his exertions. The Appendices giving an account of his Chemical, Philosophical, Metaphysical, Political and Miscellaneous writings, as well as the Summary of his religious opinions, are written by my friend Judge Cooper, formerly of Manchester in England. For the Appendix containing an analysis of my father's Theological writings, I am indebted to the Rev. W. Christie, formerly of Montrose in Scotland.

The work might have been made more interesting as well as entertaining, had I deemed myself at liberty to have published letters addressed to my father

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by persons of eminence in this country, as well as in Europe. But those communications that were intended to be private, shall remain so; as I do not think I have a right to amuse the public either against, or without, the inclinations of those who confided their correspondence to his care.

I regret, that more of the present work is not the production of my father's pen; and I hope the reader will make allowance for the imperfection of that portion of it, for which I have made myself responsible.

JOSEPH PRIESTLEY.

NORTHUMBERLAND, PENNSYLVANIA,
May 1st, 1805.

ADVERTISEMENT.

THE Analysis of my father's Theological writings mentioned in the Preface to this work, is in the press and will be printed in the same manner as the Memoirs now presented to the public, and may be purchased with the Catalogue of his writings separately to bind with the present Volume, or may be had bound up with four Sermons which my father desired me to print, making therewith a second volume.

I had an expectation of presenting the public with an Engraving of a striking likeness of my father, to be prefixed to the present volume. In this expectation I have been disappointed. I hope however to be able to do it, by the time the second Volume will make its appearance.

J. P.

MEMOIRS

OF

DR. JOSEPH PRIESTLEY.

[WRITTEN BY HIMSELF.]

HAVING thought it right to leave behind me some account of my *friends* and *benefactors*, it is in a manner necessary that I also give some account of *myself*; and as the like has been done by many persons, and for reasons which posterity has approved, I make no farther apology for following their example. If my writings in general have been useful to my cotemporaries, I hope that this account of myself will not be without its use to those who may come after me, and especially in promoting virtue and piety, which I hope I may say it has been my care to practice myself, as it has been my business to inculcate them upon others.

My father, Jonas Priestley, was the youngest son of Joseph Priestley, a maker and dresser of woollen cloth. His first wife, my mother, was the only child of Joseph Swift, a farmer at Shafton, a village about six miles south east of Wakefield. By this wife he had six children, four sons and two daughters. I, the oldest, was born on the thirteenth of March, old style 1733, at Fieldhead about six miles south west of Leeds in Yorkshire. My mother dying in in 1740, my father married again in 1745, and by his second wife had three daughters.

My mother having children so fast, I was very soon committed to the care of her father, and with him I continued with little interruption till my mother's death,

It is but little that I can recollect of my mother. I remember, however, that she was careful to teach me the Assembly's Catechism, and to give me the best instructions the little time that I was at home. Once in particular, when I was playing with a pin, she asked me where I got it; and on telling her that I found it at my uncle's, who lived very near to my father, and where I had been playing with my cousins, she made me carry it back again; no

doubt

doubt to impress my mind, as it could not fail to do, with a clear idea of the distinction of property, and of the importance of attending to it. She died in the hard winter of 1739, not long after being delivered of my youngest brother; and having dreamed a little before her death that she was in a delightful place, which she particularly described, and imagined to be heaven, the last words she spake, as my aunt informed me, were "Let me go to that fine "place."

On the death of my mother I was taken home, my brothers taking my place, and was sent to school in the neighbourhood. But being without a mother, and my father incumbered with a large family, a sister of my fathers, in the year 1742, relieved him of all care of me, by taking me entirely to herself, and considering me as her child, having none of her own. From this time she was truly a parent to me till her death in 1764.

My aunt was married to a Mr. Keighly, a man who had distinguished himself for his zeal for religion and for his public spirit. He was also a man of considerable property, and dying soon after I went to them, left the greatest part of his fortune to my aunt for

life, and much of it at her disposal after her death.

By this truly pious and excellent woman, who knew no other use of wealth, or of talents of any kind, than to do good, and who never spared herself for this purpose, I was sent to several schools in the neighbourhood, especially to a large free school, under the care of a clergyman, Mr. Hague, under whom, at the age of twelve or fifteen, I first began to make any progress in the Latin Tongue, and acquired the elements of Greek. But about the same time that I began to learn Greek at this public school, I learned Hebrew on holidays of the dissenting minister of the place, Mr. Kirkby, and upon the removal of Mr. Hague from the free school, Mr. Kirkby opening a school of his own, I was wholly under his care. With this instruction I had acquired a pretty good knowledge of the learned languages at the age of sixteen. But from this time Mr. Kirkby's increasing infirmities obliged him to relinquish his school, and beginning to be of a weakly consumptive habit, so that it was not thought adviseable to send me to any other place of education, I was left to conduct my studies as well as I could

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till I went to the academy at Daventry in the year 1752.

From the time I discovered any fondness for books my aunt entertained hopes of my being a minister, and I readily entered into her views. But my ill health obliged me to turn my thoughts another way, and with a view to trade, I learned the modern languages, French, Italian, and High Dutch without a master; and in the first and last of them I translated, and wrote letters, for an uncle of mine who was a merchant, and who intended to put me into a counting house in Lisbon. A house was actually engaged to receive me there, and every thing was nearly ready for my undertaking the voyage. But getting better health my former destination for the ministry was resumed, and I was sent to Daventry, to study under Mr. Ashworth, afterwards Dr. Ashworth.

Looking back, as I often do, upon this period of my life, I see the greatest reason to be thankful to God for the pious care of my parents and friends, in giving me religious instruction. My mother was a woman of exemplary piety, and my father also had a strong sense of religion, praying with his family morning and evening, and carefully teaching his chil-

dren and servants the Assembly's Catechism, which was all the system of which he had any knowledge. In the latter part of his life he became very fond of Mr. Whitfield's writings, and other works of a similar kind, having been brought up in the principles of Calvinism, and adopting them, but without ever giving much attention to matters of speculation, and entertaining no bigotted aversion to those who differed from him on the subject.

The same was the case with my excellent aunt, she was truly Calvinistic in principle, but was far from confining salvation to those who thought as she did on religious subjects. Being left in good circumstances, her home was the resort of all the dissenting ministers in the neighbourhood without distinction, and those who were the most obnoxious on account of their heresy were almost as welcome to her, if she thought them honest and good men, (which she was not unwilling to do) as any others.

The most heretical ministers in the neighbourhood were Mr. Graham of Halifax, and Mr. Walker of Leeds, but they were frequently my Aunt's guests. With the former of these my intimacy grew with my years, but chiefly after I became a preacher. We

kept

kept up a correspondence to the last, thinking alike on most subjects. To him I dedicated my *Disquisitions on Matter and Spirit*, and when he died, he left me his manuscripts, his Polyglot bible, and two hundred pounds. Besides being a rational christian, he was an excellent classical scholar, and wrote Latin with great facility and elegance. He frequently wrote to me in that language.

Thus I was brought up with sentiments of piety, but without bigotry, and having from my earliest years given much attention to the subject of religion, I was as much confirmed as I well could be in the principles of Calvinism, all the books that came in my way having that tendency.

The weakness of my constitution, which often led me to think that I should not be long lived, contributed to give my mind a still more serious turn; and having read many books of *experiences*, and in consequence believing that a *new birth* produced by the immediate agency of the Spirit of God, was necessary to salvation, and not being able to satisfy myself that I *had* experienced any thing of the kind, I felt occasionally such distress of mind as it is not in my power to describe, and which I still look back

upon with horror. Notwithstanding I had nothing very material to reproach myself with, I often concluded that God had forsaken me, and that mine was like the case of Francis Spira, to whom, as he imagined, repentance and salvation were denied. In that state of mind I remember reading the account of the man in the iron cage in the Pilgrim's Progress with the greatest perturbation.

I imagine that even these conflicts of mind were not without their use, as they led me to think habitually of God and a future state. And though my feelings were then, no doubt, too full of terror, what remained of them was a deep reverence for divine things, and in time a pleasing satisfaction which can never be effaced, and I hope, was strengthened as I have advanced in life, and acquired more rational notions of religion. The remembrance, however, of what I sometimes felt in that state of ignorance and darkness gives me a peculiar sense of the value of rational principles of religion, and of which I can give but an imperfect description to others.

As *truth*, we cannot doubt, must have an advantage over *error*, we may conclude that the want of

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these peculiar feelings is compensated by something of greater value, which arises to others from always having seen things in a just and pleasing light; from having always considered the Supreme Being as the kind parent of all his offspring. This, however, not having been my case, I cannot be so good a judge of the effects of it. At all events, we ought always to inculcate just views of things, assuring ourselves that *proper feelings and right conduct* will be the consequence of them.

In the latter part of the interval between my leaving the grammar school and going to the academy, which was something more than two years, I attended two days in the week upon Mr. Haggerstone, a dissenting minister in the neighbourhood, who had been educated under Mr. Maclaurin. Of him I learned Geometry, Algebra and various branches of Mathematics, theoretical and practical. And at the same time I read, but with little assistance from him, Gravesend's Elements of Natural Philosophy, Watt's Logic, Locke's Essay on the Human Understanding, &c, and made such a proficiency in other branches of learning, that when I was admitted at the academy (which was on Coward's foundation) I was excused

cused all the studies of the first year, and a great part of those of the second.

In the same interval I spent the latter part of every week with Mr. Thomas, a baptist minister now of Bristol but then of Gildersome, a village about four miles from Leeds, who had had no learned education. Him I instructed in Hebrew, and by that means made myself a considerable proficient in that language. At the same time I learned Chaldee and Syriac, and just began to read Arabic. Upon the whole, going to the academy later than is usual, and being thereby better furnished, I was qualified to appear there with greater advantage.

Before I went from home I was very desirous of being admitted a communicant in the congregation which I had always attended, and the old minister, as well as my Aunt, were as desirous of it as myself, but the elders of the Church, who had the government of it, refused me, because, when they interrogated me on the subject of the *sin of Adam*, I appeared not to be quite orthodox, not thinking that all the human race (supposing them not to have any sin of their own) were liable to the wrath of God, and the pains of hell for ever, on account of

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that sin only; for such was the question that was put to me. Some time before, having then no doubt of the truth of the doctrine, I well remember being much distressed that I could not feel a proper repentance for the sin of Adam; taking it for granted that without *this* it could not be forgiven me. Mr. Haggerstone above mentioned, was a little more liberal than the members of the congregation in which I was brought up, being what is called a *Baxterian*;* and

* BAXTERIANS, The famous Non-conformist Richard Baxter who flourished about the middle of the last Century, attempted a Coalition between the doctrines of Calvin and Arminius. The former of these held that God from the beginning had elected a few of the human race to be saved, without reference to their good actions in this life, and had left the rest of mankind in a state of final and inevitable reprobation. The latter was of opinion that the Christian dispensation furnished the means of final Salvation to all men, though the merits of the death of Christ would be ultimately advantageous to believers only. Baxter, thought with Calvin that some among mankind were from the beginning elected unto eternal life, and gifted from above with the saving grace necessary in the first instance to the several steps of a believer's christian character; but he thought also with Arminius that all men had common grace imparted to them, sufficient to enable them if they chose, to attain unto final Salvation by using the means ordained by Christ and his Apostles. Calvin also held the final

and his general conversation had a liberal turn, and such as tended to undermine my prejudices. But what contributed to open my eyes still more was the conversation of a Mr. Walker, from Ashton under line, who preached as a candidate when our old minister was superannuated. He was an avowed Baxterian, and being rejected on that account his opinions were much canvassed, and he being a guest at the house of my Aunt, we soon became very intimate, and I thought I saw much of reason in his sentiments. Thinking farther on these subjects, I was, before I went to the academy, an Arminian, but had by no means rejected the doctrine of the trinity, or that of atonement.

Though after I saw reason to change my opinions I found

nal perseverance of the Saints, or as it has since been expressed that a believer might fall foully but not finally, whereas Baxter seems to have thought that not every one who had saving grace imparted to him would persevere to the end, or as the Arminian Methodists quaintly express it, he held that a believer may fall both foully and finally. The compromising doctrine of Baxter may be seen in his very learned and unintelligible work entitled Catholick Theology. He used to be an annual communicant in the Church of England by way of exemplying his accommodating opinions. T. C.

I found myself incommoded by the rigour of the congregation with which I was connected, I shall always acknowledge with great gratitude that I owe much to it. The business of religion was effectually attended to in it. We were all catechized in public 'till we were grown up, servants as well as others: the minister always expounded the scriptures with as much regularity as he preached, and there was hardly a day in the week, in which there was not some meeting of one or other part of the congregation, On one evening there was a meeting of the young men for conversation and prayer. This I constantly attended, praying extempore with others when called upon.

At my Aunt's there was a monthly meeting of women, who acquitted themselves in prayer as well as any of the men belonging to the congregation. Being at first a child in the family, I was permitted to attend their meetings, and growing up insensibly, heard them after I was capable of judging. My Aunt after the death of her husband, prayed every morning and evening in her family, until I was about seventeen, when that duty devolved upon me.

The Lord's day was kept with peculiar strictness.

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No victuals were dressed on that day in any family. No member of it was permitted to walk out for recreation, but the whole of the day was spent at the public meeting, or at home in reading, meditation, and prayer, in the family or the closet.

It was my custom at that time to recollect as much as I could of the sermons I heard, and to commit it to writing. This practice I began very early, and continued it until I was able from the heads of a discourse to supply the rest myself. For not troubling myself to commit to memory much of the amplification, and writing at home almost as much as I had heard, I insensibly acquired a habit of composing with great readiness; and from this practice I believe I have derived great advantage through life; composition seldom employing so much time as would be necessary to write in long hand any thing I have published.

By these means, not being disgusted with these strict forms of religion as many persons of better health and spirits probably might have been (and on which account I am far from recommending the same strictness to others) I acquired in early life a serious turn of mind. Among other things I had at this

this time a great aversion to *Plays and Romances*, so that I never read any works of this kind except Robinson Crusoe, until I went to the academy. I well remember seeing my brother Timothy reading a book of Knight Errantry, and with great indignation I snatched it out of his hands, and threw it away. This brother afterwards, when he had for some time followed my fathers business (which was that of a Cloth-dresser) became, if possible, more serious than I had been; and after an imperfect education, took up the profession of a minister among the Independents, in which he now continues.

While I was at the Grammar School I learned *Mr. Annet's Short hand*, and thinking I could suggest some improvements in it, I wrote to the Author, and this was the beginning of a correspondence which lasted several years. He was, as I ever perceived, an unbeliever in Christianity and a necessarian. On this subject several letters, written with care on both sides, passed between us, and these Mr. Annet often pressed me to give him leave to publish, but I constantly refused. I had undertaken the defence of Philosophical Liberty, and the correspondence was closed without my being convinced of

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the fallacy of my arguments, though upon studying the subject regularly, in the course of my academical education afterwards, I became a confirmed Necessarian, and I have through life derived, as I imagine, the greatest advantage from my full persuasion of the truth of that doctrine.

My Aunt, and all my relations, being strict Calvinists, it was their intention to send me to the academy at *Mile-end*, then under the care of Dr. Cawder. But, being at that time an Arminian, I resolutely opposed it, especially upon finding that if I went thither, besides giving an *experience*, I must subscribe my assent to ten printed articles of the strictest calvinistic faith, and repeat it every six months. My opposition, however, would probable have been to no purpose, and I must have adopted some other mode of life, if Mr. Kirkby above mentioned had not interposed, and strongly recommended the academy of Dr. Doddridge, on the idea that I should have a better chance of being made a scholar. He had received a good education himself, was a good classical scholar, and had no opinion of the mode of education among the very orthodox Dissenters, and being fond of me, he was

desirous

desirous of my having every advantage that could be procured for me. My good Aunt, not being a bigotted Calvinist, entered into his views, and Dr. Doddridge being dead, I was sent to Daventry, and was the first pupil that entered there. My Step-mother also, who was a woman of good sense, as well as of religion, had a high opinion of Dr. Doddridge, having been sometime housekeeper in his family. She had always recommended his Academy, but died before I went thither.

Three years, viz. from September 1752 to 1755, I spent at Daventry with that peculiar satisfaction with which young persons of generous minds usually go through a course of liberal study, in the society of others engaged in the same pursuits, and free from the cares and anxieties which seldom fail to lay hold on them when they come out into the world.

In my time, the academy was in a state peculiarly favorable to the serious pursuit of truth, as the students were about equally divided upon every question of much importance, such as Liberty and Necessity, the Sleep of the soul, and all the articles of theological orthodoxy and heresy; in consequence of which

all these topics were the subject of continual discussion. Our tutors also were of different opinions; Dr. Ashworth taking the orthodox side of every question, and Mr. Clark, the sub-tutor, that of heresy, though always with the greatest modesty.

Both of our tutors being young, at least as tutors, and some of the senior students excelling more than they could pretend to do in several branches of study, they indulged us in the greatest freedoms, so that our lectures had often the air of friendly conversations on the subjects to which they related. We were permitted to ask whatever questions, and to make whatever remarks, we pleased; and we did it with the greatest, but without any offensive, freedom. The general plan of our studies, which may be seen in Dr. Doddridge's published lectures, was exceedingly favourable to free enquiry, as we were referred to authors on both sides of every question, and were even required to give an account of them. It was also expected that we should abridge the most important of them for our future use. The public library contained all the books to which we were referred.

It was a reference to Dr. Hartley's Observations

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on Man in the course of our Lectures, that first brought me acquainted with that performance, which immediately engaged my closest attention, and produced the greatest, and in my opinion the most favourable effect on my general turn of thinking thro' life. It established me in the belief of the doctrine of Necessity, which I first learned from Collins; it greatly improved that disposition to piety which I brought to the academy, and freed it from that rigour with which it had been tinctured. Indeed, I do not know whether the consideration of Dr. Hartley's theory contributes more to enlighten the mind, or improve the heart; it effects both in so super-eminent a degree.

In this situation, I saw reason to embrace what is generally called the heterodox side of almost every question.* But notwithstanding this, and though Dr.

* It will be seen in the course of these memoirs that from time to time as deeper reflection and more extensive reading incited him, he saw reason to give up almost all the peculiar theological and metaphysical opinions which he had imbibed in early youth; some of them with considerable difficulty, and all of them at the evident risk of considerable obloquy from those whom he highly respected, as well as from those on whom his interest appeared to depend. T. C.

Dr. Ashworth was earnestly desirous to make me as orthodox as possible, yet, as my behaviour was unexceptionable, and as I generally took his part in some little things by which he often drew upon himself the ill-will of many of the students, I was upon the whole a favourite with him. I kept up more or less of a correspondence with Dr. Ashworth till the time of his death, though much more so with Mr. Clark. This continued till the very week of his melancholy death by a fall from his horse at Birmingham, where he was minister.

Notwithstanding the great freedom of our speculations and debates, the extreme of heresy among us was Arianism; and all of us, I believe, left the academy with a belief, more or less qualified, of the doctrine of *atonement*.

Warm friendships never fail to be contracted at places of liberal education; and when they are well chosen are of singular use; Such was mine with Mr. Alexander of Birmingham. We were in the same class, and during the first year occupied the same room. By engagements between ourselves we rose early, and dispatched many articles of business every day. One of them, which continued all the time

time we were at the academy, was to read every day ten folio pages in some Greek author, and generally a Greek play in the course of the week besides. By this means we became very well acquainted with that language, and with the most valuable authors in it. This exercise we continued long after we left the academy, communicating to each other by letter an account of what we read. My life becoming more occupied than his, he continued his application to Greek longer than I did, so that before his death he was, I imagine, one of the best Greek scholars in this or any other country. My attention was always more drawn to mathematical and philosophical studies than his was.

These voluntary engagements were the more necessary, in the course of our academical studies, as there was then no provision made for teaching the learned languages. We had even no compositions, or orations, in Latin. Our course of lectures was also defective in containing no lectures on the scriptures, or on ecclesiastical history, and by the students in general (and Mr. Alexander and myself were no exceptions) commentators in general and ecclesiastical history also, were held in contempt.

On leaving the academy he went to study under his uncle Dr. Benson, and with him learned to value the critical study of the scriptures so much, that at length he almost confined his attention to them.

My other particular friends among my fellow students were Mr. Henry Holland, of my own class, Messrs. Whitehead, Smithson, Rotherham, and Scholefield in that above me, and Mr. Taylor in that below me. With all these I kept up more or less of a correspondence, and our friendship was terminated only by the death of those who are now dead, viz. the three first named of these six, and I hope it will subsist to the same period with those who now survive.

All the while I was at the academy I never lost sight of the great object of my studies, which was the duties of a christian minister, and there it was that I laid the general plan which I have executed since. Particularly I there composed the first copy of my *Institutes of Natural and Revealed Religion*, Mr. Clark, to whom I communicated my scheme, carefully perusing every section of it, and talking over the subject of it with me.

But I was much discouraged even then with the

impedi-

impediment in my speech, which I inherited from my family, and which still attends me. Sometimes I absolutely stammered, and my anxiety about it was the cause of much distress to me. However, like St. Paul's *thorn in the flesh*, I hope it has not been without its use. Without some such check as this, I might have been disputatious in company, or might have been seduced by the love of popular applause as a preacher: whereas my conversation and my delivery in the pulpit having nothing in them that was generally striking, I hope I have been more attentive to qualifications of a superior kind.

It is not, I believe, usual for young persons in dissenting academies to think much of their future situations in life. Indeed, we are happily precluded from that by the impossibility of succeeding in any application for particular places. We often, indeed, amused ourselves with the idea of our dispersion in all parts of the kingdom after living so happily together; and used to propose plans of meeting at certain times, and smile at the different appearance we should probably make after being ten or twenty years settled in the world. But nothing of this kind was ever seriously resolved upon by us.

For my own part, I can truly say I had very little ambition, except to distinguish myself by my application to the studies proper to my profession; and I cheerfully listened to the first proposal that my tutor made to me, in consequence of an application made to him, to provide a minister for the people of Needham Market in Suffolk, though it was very remote from my friends in Yorkshire, and a very inconsiderable place.

When I went to preach at Needham as a candidate, I found a small congregation, about an hundred people, under a Mr. Meadows, who was superannuated They had been without a minister the preceding year, on account of the smallness of the salary; but there being some respectable and agreeable families among them, I flattered myself that I should be useful and happy in the place, and therefore accepted the unanimous invitation to be assistant to Mr. Meadows, with a view to succeed him when he died. He was a man of some fortune.

This congregation had been used to receive assistance from both the Presbyterian and Independent funds; but upon my telling them that I did not chuse to have any thing to do with the Independents,

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and asking them whether they were able to make up the salary they promised me (which was forty pounds per annum) without any aid from the latter fund, they assured me they could. I soon, however, found that they deceived themselves; for the most that I ever received from them was in the proportion of about thirty pounds per annum, when the expence of my board exceeded twenty pounds.

Notwithstanding this, every thing else for the first half year appeared very promising, and I was happy in the success of my schemes for promoting the interest of religion in the place. I catechised the children, though there were not many, using Dr. Watt's Catechism; and I opened my lectures on the theory of religion from the *institutes*, which I had composed at the academy, admitting all persons to attend them without distinction of sex or age; but in this I soon found that I had acted imprudently. A minister in that neighbourghood had been obliged to leave his place on account of Arianism, and though nothing had been said to me on the subject, and from the people so readily consenting to give up the independent fund, I thought they could not have much bigotry among them, I found that when I came to treat

treat of the *Unity of God*, merely as an article of religion, several of my audience were attentive to nothing but the soundness of my faith in the doctrine of the Trinity.

Also, though I had made it a rule to myself to introduce nothing that could lead to controversy into the pulpit; yet making no secret of my real opinions in conversation, it was soon found that I was an Arian. From the time of this discovery my hearers fell off apace, especially as the old minister took a decided part against me. The principal families, however, still continued with me; but notwithstanding this, my salary fell far short of thirty pounds per annum, and if it had not been for Dr. Benson and Dr. Kippis, especially the former, procuring me now and then an extraordinary five pounds from different charities, I do not believe that I could have subsisted. I shall always remember their kindness to me, at a time when I stood in so much need of it.

When I was in this situation, a neighbouring minister whose intimate friend had conformed to the church of England, talked to me on that subject. He himself, I perceived, had no great objection to it, but rejecting the proposal, as a thing that I could not think of, he never mentioned it to me any more.

To

To these difficulties, arising from the sentiments of my congregation, was added that of the failure of all remittances from my aunt, owing in part to the ill offices of my orthodox relations; but chiefly to her being exhausted by her liberality to others, and thinking that when I was settled in the world, I ought to be no longer burdensome to her. Together with me she had brought up a niece, who was almost her only companion, and being deformed, could not have subsisted without the greatest part, at least, of all she had to bequeath. In consequence of these circumstances, tho' my aunt had always assured me that, if I chose to be a minister, she would leave me independent of the profession, I was satisfied she was not able to perform her promise, and freely consented to her leaving all she had to my cousin; I had only a silver tankard as a token of her remembrance. She had spared no expence in my education, and that was doing more for me than giving me an estate.

But what contributed greatly to my distress was the *impediment in my speech*, which had increased so much as to make preaching very painful, and took from me all chance of recommending myself to any better place. In this state, hearing of the proposal of

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one Mr. Angier to cure all defects of speech, I prevailed upon my aunt to enable me to pay his price, which was twenty guineas; and this was the first occasion of my visiting London. Accordingly, I attended him about a month, taking an oath not to reveal his method, and I received some temporary benefit; but soon relapsed again, and spoke worse than ever. When I went to London it was in company with Mr. Smithson, who was settled at Harlestown in Norfolk. By him I was introduced to Dr. Kippis and Dr. Benson, and by the latter to Dr. Price, but not at that time.

At Needham I felt the effect of a low despised situation, together with that arising from the want of popular talents. There were several vacancies in congregations in that neighbourhood, where my sentiments would have been no objection to me, but I was never thought of. Even my next neighbours, whose sentiments were as free as my own, and known to be so, declined making exchanges with me, which, when I left that part of the country, he acknowledged was not owing to any dislike his people had to me as heretical, but for other reasons, the more genteel part of his hearers always absenting themselves when they heard

heard I was to preach for him. But visiting that country some years afterwards, when I had raised myself to some degree of notice in the world, and being invited to preach in that very pulpit, the same people crowded to hear me, though my elocution was not much improved, and they professed to admire one of the same discourses they had formerly despised.

Notwithstanding these unfavorable circumstances, I was far from being unhappy at Needham. I was boarded in a family from which I received much satisfaction, I firmly believed that a wise providence was disposing every thing for the best, and I applied with great assiduity to my studies, which were classical, mathematical and theological. These required but few books. As to Experimental Philosophy, I had always cultivated an acquaintance with it, but I had not the means of prosecuting it.

With respect to miscellaneous reading, I was pretty well supplied by means of a library belonging to Mr. S. Alexander, a quaker,* to which I had the freest access.

* QUAKERS. That instances of liberality of sentiment with respect to religious opinion are frequently to be found among the Quakers there can be no doubt, but this is certainly no part of their character

access. Here it was that I was first acquainted with any person of that persuasion; and I must acknowledge my obligation to many of them in every future stage of my life. I have met with the noblest instances of liberality of sentiment and the truest generosity among them.

My studies however, were chiefly theological. Having left the academy, as I have observed, with a qualified belief of the doctrine of *Atonement*, such as is found in Mr. Tomkin's book, entitled, *Jesus Christ the*

as a Sect. Thomas Letchworth one of the most acute and ingenious of their preachers at Wandsworth near London, who from the writings of Dr. Priestley had become a firm convert to his Unitarian opinions, informed me that the expression of those opinions would be attended with certain expulsion from the Society. Very lately Hannah Bernard a female public friend who went from America to England, was prohibited from preaching by the Society, on account of her Unitarian doctrines.

Thomas Letchworth has been dead many years. In the short contest on the question of liberty and necessity which was occasioned by Toplady's life of Jerome Zanchius, he wrote a good defence of the doctrine of necessity signed Philaretes in answer to one from a disciple of Fletcher's of Madely, under the signature of Philaleutheros. There is a trifling account of him containing no information, by one William Matthews. T. C.

the Mediator, I was desirous of getting some more definite ideas on the subject, and with that view set myself to peruse the whole of the old and new testament, and to collect from them all the texts that appeared to me to have any relation to the subject. This I therefore did with the greatest care, arranging them under a great variety of heads. At the same time I did not fail to note such *general considerations* as occurred to me while I was thus employed. The consequence of this was, what I had no apprehension of when I began the work, viz. a full persuasion that the doctrine of Atonement, even in its most qualified sense, had no countenance either from scripture or reason. Satisfied of this, I proceeded to digest my observations into a regular treatise, which a friend of mine, without mentioning my name, submitted to the perusal of Dr. Fleming and Dr. Lardner. In consequence of this, I was urged by them to publish the greater part of what I had written. But being then about to leave Needham, I desired them to do whatever they thought proper with respect to it, and they published about half of my piece, under the title of the *Doctrine of Remission*, &c.

This circumstance introduced me to the acquaint-

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ance of Dr. Lardner, whom I always called upon when I visited London. The last time I saw him, which was little more than a year before his death, having by letter requested him to give me some assistance with respect to the history I then prepared to write of the Corruptions of Christianity, and especially that article of it, he took down a large bundle of pamphlets, and turning them over at length shewing me my own; said, "This contains my sentiments on the subject." He had then forgot that I wrote it, and on my remarking it, he shook his head, and said that his memory began to fail him; and that he had taken me for another person. He was then at the advanced age of ninety one. This anecdote is trifling in itself, but it relates to a great and good man.

I have observed that Dr. Lardner only wished to publish a part of the treatise which my friend put into his hand. The other part of it contained remarks on the reasoning of the apostle of Paul, which he could not by any means approve. They were, therefore, omitted in this publication. But the attention which I gave to the writings of this apostle at the time that I examined them, in order to collect

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passages relating to the doctrine of atonement, satisfied me that his reasoning was in many places far from being conclusive; and in a separate work I examined every passage in which his reasoning appeared to me to be defective, or his conclusions ill supported; and I thought them to be pretty numerous.

At that time I had not read any commentary on the scriptures, except that of Mr. Henry when I was young. However, seeing so much reason to be dissatisfied with the apostle Paul as a reasoner, I read *Dr. Taylor's paraphrase on the epistle to the Romans;* but it gave me no sort of satisfaction; and his general *Key to the epistles* still less. I therefore at that time wrote some remarks on it, which were a long time after published in the *Theological Repository* Vol. 4.

As I found that Dr. Lardner did not at all relish any of my observations on the imperfections of the sacred writers, I did not put this treatise into his hands; but I shewed it to some of my younger friends, and also to Dr. Kippis; and he advised me to publish it under the character of an unbeliever, in order to draw the more attention to it. This I

did not chuse, having always had a great aversion to assume any character that was not my own, even so much as disputing for the sake of discovering truth. I cannot ever say that I was quite reconciled to the idea of writing to a fictitious person, as in my *letters to a philosophical unbeliever*, though nothing can be more innocent, or sometimes more proper; our Saviour's parables implying a much greater departure from strict truth than those letters do. I therefore wrote the book with great freedom, indeed, but as a christian, and an admirer of the apostle Paul, as I always was in other respects.

When I was at Nantwich I sent this treatise to the press; but when nine sheets were printed off, Dr. Kippis dissuaded me from proceeding, or from publishing any thing of the kind, until I should be more known, and my character better established. I therefore desisted; but when I opened the theological Repository, I inserted in that work every thing that was of much consequence in the other, in order to its being submitted to the examination of learned christians. Accordingly these communications were particularly animadverted upon by Mr. Willet of Newcastle, under the signature of W. W. But

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I cannot say that his remarks gave me much satisfaction.

When I was at Needham I likewise drew up a treatise on the doctrine of *divine influence*, having collected a number of texts for that purpose, and arranged them under proper heads, as I had done those relating to the doctrine of atonement. But I published nothing relating to it until I made use of some of the observations in my *sermon* on that subject, delivered at an ordination, and published many years afterwards.

While I was in this retired situation, I had, in consequence of much pains and thought, become persuaded of the falsity of the doctrine of atonement, of the inspiration of the authors of the books of scripture as writers, and of all idea of supernatural influence, except for the purpose of miracles. But I was still an Arian, having never turned my attention to the Socinian doctrine, aud contenting myself with seeing the absurdity of the trinitarian system.

Another task that I imposed on myself, and in part executed at Needham, was an accurate comparison of the Hebrew text of the hagiographa and the prophets with the version of the Septuagint, noting

all the variations, &c. This I had about half finished before I left that place; and I never resumed it, except to do that occasionally for particular passages, which I then began, though with many disadvantages, with a design to go through the whole. I had no Polyglot Bible, and could have little help from the labours of others.

The most learned of my acquaintance in this situation was Mr. Scott of Ipswich, who was well versed in the Oriental languages, especially the Arabic. But though he was far from being Calvinistical, he gave me no encouragement in the very free enquiries which I then entered upon. Being excluded from all communication with the more orthodox ministers in that part of the country, all my acquaintance among the dissenting ministers, besides Mr. Scott, were Mr. Taylor of Stow-market, Mr. Dickinson of Diss, and Mr. Smithson of Harlestone; and it is rather remarkable, that we all left that country in the course of the same year; Mr. Taylor removing to Carter's lane in London, Mr. Dickinson to Sheffield, and Mr. Smithson to Nottingham.

But I was very happy in a great degree of intimacy with Mr. Chauvet, the rector of Stow-market.

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He was descended of French parents; and I think was not born in England. Whilst he lived we were never long without seeing each other. But he was subject to great unevenness of spirits, sometimes the most chearful man living, and at other times most deplorably low. In one of these fits he at length put an end to his life. I heard afterwards that he had at one time been confined for insanity, and had even made the same attempt some time before.

Like most other young men of a liberal education, I had conceived a great aversion to the business of a schoolmaster, and had often said, that I would have recourse to any thing else for a maintenance in preference to it. But having no other resource, I was at length compelled by necessity to make some attempt in that way; and for this purpose I printed and distributed *Proposals*, but without any effect. Not that I was thought to be unqualified for this employment, but because I was not orthodox. I had proposed to teach the classics, mathematics, &c. for half a guinea per quarter, and to board the pupils in the house with myself for twelve guineas per annum.

Finding this scheme not to answer, I proposed to

give lectures to grown persons in such branches of science as I could conveniently procure the means of doing; and I began with reading about twelve lectures on the *use of the Globes*, at half a guinea. I had one course of ten hearers, which did something more than pay for my globes; and I should have proceeded in this way, adding to my apparatus as I should have been able to afford it, if I had not left that place, which was in the following manner.

My situation being well known to my friends, Mr. Gill, a distant relation by my mother, who had taken much notice of me before I went to the academy, and had often lent me books, procured me an invitation to preach as a candidate at Sheffield, on the resignation of Mr. Wadsworth. Accordingly I did preach as a candidate; but though my opinions were no objection to me there, I was not approved. But Mr. Haynes, the other minister, perceiving that I had no chance at Sheffield, told me that he could recommend me to a congregation at Nantwich in Cheshire, where he himself had been settled; and as it was at a great distance from Needham, he would endeavour to procure me an invitation to preach there for a year certain. This he did, and I gladly accepting of it, removed

ved from Needham, going thence to London by sea, to save expence. This was in 1758, after having been at Needham just three years.*

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* It is about sixty miles from Needham to London, so that the roads must have been in a bad state to render a water passage more eligible than by land. The first turnpike in England was authorized by an act of Ch. II. 1663 but the system was not adopted with spirit until near the middle of the last century. The manufacturing inland towns of Great Britain, such as Manchester, Leeds, Halifax, &c. chiefly carried on their business through the medium of travelling pedlars, and afterwards on pack horses. The journey in this manner from Manchester to London occupied a fortnight; and it was not unusual for a trader going the first time himself on this expedition to take the prudent precaution of making his will. At present the mail stage performs the journey in about a day and a half. In the beginning of this century (as Dr. Aikin in his history of Manchester observes) it was thought a most arduous undertaking to make a public road over the hills that separate Yorkshire and Lancashire; now, they are pierced by three navigable canals. Indeed the prosperous state of British manufactures and commerce, seems to have originated and progressed with the adoption of turnpikes and canals. They facilitate not merely the carriage and interchange of heavy materials necessary to machinery, but they make personal intercourse cheap, speedy and universal; they thus furnish the means of seeing and communicating improvements, and of observing in what way one manufacture may be brought to bear upon another widely different in its kind, We are not yet sufficiently aware of their importance in America, even to the interests of agriculture. T. C.

At Nantwich I found a good natured friendly people, with whom I lived three years very happily; and in this situation I heard nothing of those controversies which had been the topics of almost every conversation in Suffolk; and the consequence was that I gave little attention to them myself. Indeed it was hardly in my power to do it, on account of my engagement with a school, which I was soon able to establish, and to which I gave almost all my attention; and in this employment, contrary to my expectations, I found the greatest satisfaction, notwithstanding the confinement and labour attending it.

My school generally consisted of about thirty boys, and I had a separate room for about half a dozen young ladies. Thus I was employed from seven in the morning untill four in the afternoon, without any interval except one hour for dinner, and I never gave a holiday on any consideration, the red letter days, as they are called, excepted. Immediately after this employment in my own school rooms, I went to teach in the family of Mr. Tomkinson, an eminent attorney, and a man of large fortune, whose recommendation was of the greatest service to me; and here I continued until seven in the evening. I had therefore but

little leisure for reading or for improving myself in any way, except what necessarily arose from my employment.

Being engaged in the business of a schoolmaster, I made it my study to regulate it in the best manner, and I think I may say with truth, that in no school was more business done, or with more satisfaction, either to the master, or the scholars, than in this of mine. Many of my scholars are probably living and I am confident that they will say that this is no vain boast.

At Needham I was barely able with the greatest economy to keep out of debt (though this I always made a point of doing at all events) but at Nantwich my school soon enabled me to purchase a few books, and some philosophical instruments, as a small air pump, an electrical machine, &c. These I taught my scholars in the highest class to keep in order, and make use of, and by entertaining their parents and friends with experiments, in which the scholars were generally the operators, and sometimes the lecturers too, I considerably extended the reputation of my school; though I had no other object originally than gratifying my own taste. I had no leisure, however, to make

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any original experiments until many years after this time.

As there were few children in the congregation (which did not consist of more than sixty persons, and a great proportion of them travelling scotchmen) there was no scope for exertion with respect to my duty as a minister. I therefore contented myself with giving the people what assistance I could at their own houses, where there were young persons; and I added very few sermons to those which I had composed at Needham, where I never failed to make at least one every week.

Being boarded with Mr. Eddowes, a very sociable and sensible man, and at the same time the person of the greatest property in the congregation, and who was fond of music, I was induced to learn to play a little on the English flute, as the easiest instrument; and though I was never a proficient in it, my playing contributed more or less to my amusement many years of my life. I would recommend the knowledge and practice of music to all studious persons; and it will be better for them, if, like myself, they should have no very fine ear, or exquisite taste; as by this means they will be more easily

pleased,

pleased, and be less apt to be offended when the performances they hear are but indifferent.

At Nantwich I had hardly any literary acquaintance besides Mr. Brereton, a clergyman in the neighbourhood, who had a taste for astronomy, philosophy, and literature in general. I often slept at his house, in a room to which he gave my name. But his conduct afterwards was unworthy of his profession.

Of dissenting ministers I saw most of Mr. Keay of Whitchurch, and Dr. Harwood, who lived and had a school at Congleton, preaching alternately at Leek and Wheelock, the latter place about ten miles from Nantwich. Being both of us schoolmasters, and having in some respect the same pursuits, we made exchanges for the sake of spending a Sunday evening together every six weeks in the summer time. He was a good classical scholar, and a very entertaining companion.

In my congregation there was (out of the house in which I was boarded) hardly more than one family in which I could spend a leisure hour with much satisfaction, and that was Mr. James Caldwall's, a scotchman. Indeed, several of the travelling

ling Scotchmen who frequented the place, but made no long stay at any time, were men of very good sense; and what I thought extraordinary, not one of them was at all Calvinistical.

My engagements in teaching allowed me but little time for composing any thing while I was at Nantwich. There, however, I recomposed my *Observations on the character and reasoning of the apostle Paul*, as mentioned before. For the use of my school I then wrote an *English grammer** on a new plan, leaving out all such technical terms as were borrowed from other languages, and had no corresponding modifications in ours, as the future tense, &c. and to this I afterwards subjoined *Observations for the use of proficients in the language*,‖ from the notes which I collected at Warrington; where, being tutor in the languages and Belles Letters, I gave particular attention to the English language, and intended

* Printed in 1761.

‖ Printed in 1772 at London. His lectures on the Theory of Language and Universal Grammar were printed the same year at Warrington. David Hume was made sensible of the Gallicisms and Peculiarities of his stile by reading this Grammar; He acknowledged it to Mr. Griffith the Bookseller, who mentioned it to my father.

tended to have composed a large treatise on the structure and present state of it. But dropping the scheme in another situation, I lately gave such parts of my collection as I had made no use of to Mr. Herbert Croft of Oxford, on his communicating to me his design of compiling a Dictionary and Grammar of our language.

The academy at Warrington was instituted when I was at Needham, and Mr. Clark knowing the attention that I had given to the learned languages when I was at Daventry, had then joined with Dr. Benson and Dr. Taylor in recommending me as tutor in the languages. But Mr. (afterward Dr.) Aikin, whose qualifications were superior to mine, was justly prefered to me. However, on the death of Dr. Taylor, and the advancement of Mr. Aikin to be tutor in divinity, I was invited to succeed him. This I accepted, though my school promised to be more gainful to me. But my employment at Warrington would be more liberal, and less painful. It was also a means of extending my connections. But, as I told the persons who brought me the invitation, viz. Mr. Seddon and Mr. Holland of Bolton, I should have preferred the office of teaching the mathematics and

natural

natural philosophy, for which I had at that time a great predilection.

My removal to Warrington was in September, 1761, after a residence of just three years at Nantwich. In this new situation I continued six years, and in the second year I married a daughter of Mr. Isaac Wilkinson, an Ironmaster near Wrexham in Wales, with whose family I had became acquainted in consequence of having the youngest son, William, at my school at Nantwich. This proved a very suitable and happy connection, my wife being a woman of an excellent understanding, much improved by reading, of great fortitude and strength of mind, and of a temper in the highest degree affectionate and generous; feeling strongly for others, and little for herself. Also, greatly excelling in every thing relating to household affairs, she entirely relieved me of all concern of that kind, which allowed me to give all my time to the prosecution of my studies, and the other duties of my station. And though, in consequence of her father becoming impoverished, and wholly dependent on his children, in the latter part of his life, I had little fortune with her, I unexpectedly found a great resource in her two brothers, who had become

wealthy,

wealthy, especially the elder of them. At Warrington I had a daughter, Sarah, who was afterwards married to Mr. William Finch of Heath forge near Dudley.

Though at the time of my removal to Warrington I had no particular fondness for the studies relating to my profession then, I applied to them with great assiduity; and besides composing courses of *Lectures on the theory of Language*, and on *Oratory and Criticism*, on which my predecessor had lectured, I introduced lectures on *history and general policy*, on the *laws and constitutions of England*, and on the *history of England*. This I did in consequence of observing that, though most of our pupils were young men designed for situations in civil and active life, every article in the plan of their education was adapted to the learned professions.

In order to recommend such studies as I introduced, I composed an *essay on a course of liberal education for civil and active life*, with *syllabuses* of my three new courses of lectures; and Dr. Brown having just then published a plan of education, in which he recommended it to be undertaken by the state, I added some *remarks on his treatise*, shewing how inimical

mical it was to liberty, and the natural rights of parents. This leading me to consider the subject of civil and political liberty, I published my thoughts on it, in an *essay on government*, which in a second edition I much enlarged, including in it what I wrote in answer to Dr. Balguy, on church authority, as well as my animadversions on Dr. Brown.

My *Lectures on the theory of language and universal grammar* were printed for the use of the students, but they were not published. Those on *Oratory and Criticism* I published when I was with Lord Shelburne, and those on *History and general policy* are now printed, and about to be published.*

Finding no public exercises at Warrington, I introduced them there, so that afterwards every Saturday the tutors, all the students, and often strangers, were assembled to hear English and Latin compositions, and sometimes to hear the delivery of speeches, and the exhibition of scenes in plays. It was my province to teach elocution, and also Logic, and Hebrew. The first of these I retained; but after a year

* This work has been reprinted in Philadelphia with additions, particularly of a chapter on the government of the United States.

year or two I exchanged the two last articles with Dr. Aikin for the civil law, and one year I gave a course of lectures in anatomy.

With a view to lead the students to a facility in writing English, I encouraged them to write in verse. This I did not with any design to make them poets, but to give them a greater facility in writing prose; and this method I would recommend to all tutors. I was myself far from having any pretension to the character of a poet; but in the early part of my life I was a great versifier, and this, I believe, as well as my custom of writing after preachers, mentioned before, contributed to the ease with which I always wrote prose. Mrs. Barbauld has told me that it was the perusal of some verses of mine that first induced her to write any thing in verse, so that this country is in some measure indebted to me for one of the best poets it can boast of. Several of her first poems were written when she was in my house, on occasions that occurred while she was there.

It was while I was at Warrington that I published my *Chart of Biography*, though I had begun to construct it at Nantwich. Lord Willoughby of Parham, who lived in Lancashire, being pleased with the idea

of it, I, with his consent, inscribed it to him; but he died before the publication of it: The *Chart of History*, corresponding to it, I drew up some time after at Leeds.

I was in this situation when, going to London,* and being introduced to Dr. Price, Mr. Canton, Dr. Watson, (the Physician,) and Dr. Franklin, I was led to attend to the subject of experimental philosophy more than I had done before; and having composed all the Lectures I had occasion to deliver and finding myself at liberty for any undertaking, I mentioned to Dr. Franklin an idea that had occurred to me of writing the history of discoveries in Electricity, which had been his favourite study. This I told him might be an useful work, and that I would willingly undertake it, provided I could be furnished with the books necessary for the purpose. This he readily undertook, and my other friends assisting him in it, I set about the work, without having the least

* He always spent one month in every year in London, which was of great use to him. He saw and heard a great deal. He generally made additions to his library and his chemical apparatus. A new turn was frequently given to his ideas. New and useful acquaintances were formed, and old ones confirmed.

least idea of doing any thing more than writing a distinct and methodical account of all that had been done by others. Having, however, a pretty good machine, I was led, in the course of my writing the history, to endeavour to ascertain several facts which were disputed; and this led me by degrees into a large field of original experiments, in which I spared no expence that I could possibly furnish.

These experiments employed a great proportion of my leisure time; and yet before the complete expiration of the year in which I gave the plan of my work to Dr. Franklin, I sent him a copy of it in print. In the same year five hours of every day were employed in lectures, public or private, and one two months vacation I spent chiefly at Bristol, on a visit to my father-in-law.

This I do not mention as a subject of boasting. For many persons have done more in the same time; but as an answer to those who have objected to some of my later writings, as hasty performances. For none of my publications were better received than this *History of Electricity*, which was the most hasty of them all. However, whether my publications have taken up more or less time, I am confident that

more would not have contributed to their perfection, in any essential particular; and about anything farther I have never been very solicitous. My object was not to acquire the character of a fine writer, but of an useful one. I can also truly say that gain was never the chief object of any of my publications. Several of them were written with the prospect of certain loss.

During the course of my electrical experiments in this year I kept up a constant correspondence with Dr. Franklin, and the rest of my philosophical friends in London; and my letters circulated among them all, as also every part of my History as it was transcribed. This correspondence would have made a considerable volume, and it took up much time; but it was of great use with respect to the accuracy of my experiments, and the perfection of my work.

After the publication of my Chart of Biography, Dr. Percival of Manchester, then a student at Edinburgh, procured me the title of Doctor of laws from that university; and not long after my new experiments in electricity were the means of introducing me into the Royal Society, with the recommendation of Dr. Franklin, Dr. Watson, Mr. Canton, and Dr. Price.

In

In the whole time of my being at Warrington I was singularly happy in the society of my fellow tutors,* and of Mr. Seddon, the minister of the place. We drank tea together every Saturday, and our conversation was equally instructive and pleasing. I often thought it not a little extraordinary, that four persons, who had no previous knowledge of each other, should have been brought to unite in conducting such a scheme as this, and all be zealous necessarians, as we were. We were likewise all Arians, and the only subject of much consequence on which we differed respected the doctrine of atonement, concerning which Dr. Aikin held some obscure notions. Accordingly, this was frequently the topic of our friendly conversations. The only Socinian in the neighbourhood was Mr. Seddon of Manchester; and we all wondered at him. But then we never entered into any particular examination of the subject.

Receiving some of the pupils into my own house, I was

* At Warrington he had for colleagues and successors, Dr. John Taylor, author of the Hebrew Concordance and of several other works, on Original Sin, Atonement, &c. Dr. Aikin the Elder, Dr. Reinhold Forster the Naturalist and traveller, Dr. Enfield and Mr. Walker.

I was by this means led to form some valuable friendships, but especially with Mr. Samuel Vaughan, a friendship which has continued hitherto, has in a manner connected our families, and will, I doubt not, continue through life. The two eldest of his sons were boarded with me.

The tutors having sufficient society among themselves, we had not much acquaintance out of the academy. Sometimes, however, I made an excursion to the towns in the neighbourhood. At Liverpool I was always received by Mr. Bentley, afterwards partner with Mr. Wedgwood, a man of excellent taste improved understanding, and a good disposition, but an unbeliever in christianity, which was therefore often the subject of our conversation. He was then a widower, and we generally, and contrary to my usual custom, sat up late. At Manchester I was always the guest of Mr. Potter, whose son Thomas was boarded with me. He was one of the worthiest men that ever lived. At Chowbent I was much acquainted with Mr. Mort, a man equally distinguished by his chearfulness and liberality of sentiment.

Of the ministers in the neighbourhood, I recollect with

with much satisfaction the interviews I had with Mr. Godwin of Gataker, Mr. Holland of Bolton, and Dr. Enfield of Liverpool, afterwards tutor at Warrington.

Though all the tutors in my time lived in the most perfect harmony, though we all exerted ourselves to the utmost, and there was no complaint of want of discipline, the academy did not flourish. There had been an unhappy difference between Dr. Taylor and the trustees, in consequence of which all his friends, who were numerous, were our enemies; and too many of the subscribers, being probably weary of the subscription, were willing to lay hold of any pretence for dropping it, and of justifying their conduct afterwards.

It is possible that in time we might have overcome the prejudices we laboured under, but there being no prospect of things being any better, and my wife having very bad health, on her account chiefly I wished for a removal, though nothing could be more agreeable to me at the time than the whole of my employment, and all the laborious part of it was over. The terms also on which we took boarders, viz. 15 £. per annum, and my salary being only

100 £. per annum with a house, it was not possible, even living with the greatest frugality, to make any provision for a family. I was there six years, most laboriously employed, for nothing more than a bare subsistence. I therefore listened to an invitation to take the charge of the congregation of Mill-hill chapel at Leeds, where I was pretty well known, and thither I removed in September 1767.

Though while I was at Warrington it was no part of my duty to preach, I had from choice continued the practice; and wishing to keep up the character of a dissenting minister, I chose to be ordained while I was there; and though I was far from having conquered my tendency to stammer, and probably never shall be able to do it effectually, I had, by taking much pains, improved my pronunciation some time before I left Nantwich; where for the two first years this impediment had increased so much, that I once informed the people, that I must give up the business of preaching, and confine myself to my school. However, by making a practice of reading very loud and very slow every day, I at length succeeded in getting in some measure the better of this defect, but I am still obliged occasionally to have recourse to the same expedient.

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At Leeds I continued six years very happy with a liberal, friendly, and harmonious congregation, to whom my services (of which I was not sparing) were very acceptable. Here I had no unreasonable prejudices to contend with, so that I had full scope for every kind of exertion; and I can truly say that I always considered the office of a christian minister as the most honourable of any upon earth, and in the studies proper to it I always took the greatest pleasure.

In this situation I naturally resumed my application to speculative theology, which had occupied me at Needham, and which had been interrupted by the business of teaching at Nantwich and Warrington. By reading with care Dr. *Lardner's letter on the logos*, I became what is called a Socinian soon after my settlement at Leeds; and after giving the closest attention to the subject, I have seen more and more reason to be satisfied with that opinion to this day, and likewise to be more impressed with the idea of its importance.

On reading Mr. *Mann's Dissertation on the times of the birth and death of Christ*, I was convinced that he was right in his opinion of our Saviour's ministry

ministry having continued little more than one year, and on this plan I drew out a *Harmony of the gospels*, the outline of which I first published in the Theological Repository, and afterwards separately and at large, both in Greek and English, with Notes, and an occasional Paraphrase. In the same work I published my *Essay on the doctrine of Atonement*, improved from the tract published by Dr. Lardner, and also my animadversions on the reasoning of the apostle Paul.

The plan of this *Repository* occured to me on seeing some notes that Mr. Turner of Wakefield had drawn up on several passages of scripture, which I was concerned to think should be lost. He very much approved of my proposal of an occasional publication, for the purpose of preserving such original observations as could otherwise probably never see the light. Of this work I published three volumes while I was at Leeds, and he never failed to give me an article for every number of which they were composed.

Giving particular attention to the duties of my office, I wrote several tracts for the use of my congregation. as two *Catechisms*, an *Address to masters*

ters of families on the subject of family prayer, a *discourse on the Lord's Supper*, and on *Church discipline*, and *Institutes of Natural and Revealed religion.* Here I formed three classes of Catechumens, and took great pleasure in instructing them in the principles of religion. In this respect I hope my example has been of use in other congregations.

The first of my controversial treatises was written here in reply to some angry remarks on my discourse on the Lord's Supper by Mr. Venn, a clergyman in the neighbourhood. I also wrote remarks on Dr. *Balguy's sermon on Church authority*, and on some paragraphs in Judge *Blackstone's Commentaries* relating to the dissenters. To the two former no reply was made; but to the last the judge replied in a small pamphlet; on which I addressed a letter to him in the St. James's Chronicle. This controversy led me to print another pamphlet, entitled *The Principles and Conduct of the Dissenters with respect to the civil and ecclesiastical constitution of this country.* With the encouragement of Dr. Price and Dr. Kippis, I also wrote an *Address to Protestant Dissenters as such;* but without my name. Several of these pamphlets having been animadverted upon

upon by an anonymous acquaintance, who thought I had laid too much stress on the principles of the Dissenters, I wrote a defence of my conduct in *Letters addressed to him.*

The methodists being very numerous in Leeds, and many of the lower sort of my own hearers listening to them, I wrote an *Appeal to the serious professors of Christianity*, an *Illustration of particular texts*, and republished the *Trial of Elwall*, all in the cheapest manner possible. Those small tracts had a great effect in establishing my hearers in liberal principles of religion, and in a short time had a far more extensive influence than I could have imagined. By this time more than thirty thousand copies of the Appeal have been dispersed.

Besides these theoretical and controversial pieces, I wrote while I was at Leeds my *Essay on Government* mentioned before, my *English Grammar* enlarged, a *familiar introduction to the study of electricity*, a *treatise on perspective*, and my *Chart of History*, and also some anonymous pieces in favour of civil liberty during the persecution of Mr. Wilkes, the principal of which was *An Address to Dissenters on the subject of the difference with America*, which I wrote at

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the request of Dr. Franklin, and Dr. Fothergil.

But nothing of a nature foreign to the duties of my profession engaged my attention while I was at Leeds so much as the prosecution of my experiments relating to *electricity*, and especially the doctrine of *air*. The last I was led into in consequence of inhabiting a house adjoining to a public brewery, where I at first amused myself with making experiments on the fixed air which I found ready made in the process of fermentation. When I removed from that house, I was under the necessity of making the fixed air for myself; and one experiment leading to another, as I have distinctly and faithfully noted in my various publications on the subject, I by degrees contrived a convenient apparatus for the purpose, but of the cheapest kind.

When I began these experiments I knew very little of *chemistry*, and had in a manner no idea on the subject before I attended a course of chemical lectures delivered in the academy at Warrington by Dr. Turner* of Liverpool. But I have often thought that

* DR. TURNER was a Physician at Liverpool: among his friends a professed Atheist. It was Dr. Turner who wrote the reply to Dr. Priestley's

that upon the whole, this circumstance was no disadvantage to me; as in this situation I was led to devise an apparatus, and processes of my own, adapted to my peculiar views. Whereas, if I had been previously accustomed to the usual chemical processes, I should not have so easily thought of any other; and without new modes of operation I should hardly have discovered any thing materially new.*

My

Priestley's letters to a philosophical unbeliever under the feigned name of Hammon. He was in his day a good practical chemist. I believe it was Dr. Turner who first invented, or at least brought to tolerable perfection, the art of copying prints upon glass, by striking off impressions with a coloured solution of silver and fixing them on the glass by baking on an iron plate in a heat sufficient to incorporate the solution with the glass. Some of them are very neatly performed, producing transparent copies in a bright yellow upon the clear glass.

Dr. Turner was not merely a whig but a republican. In a friendly debating society at Liverpool about the close of the American war, he observed in reply to a speaker who had been descanting on the honour Great Britain had gained during the reign of his present Majesty, that it was true, we had lost the *Terra firma* of the thirteen colonies in America, but we ought to be satisfied with having gained in return, by the generalship of Dr. Herschel, a terra incognita of much greater extent *in nubibus*. T. C.

* This necessary attention to economy also aided the simplicity of his apparatus, and was the means in some degree of improving it in this

My first publication on the subject of air was in 1772. It was a small pamphlet, on the method of impregnating water with fixed air; which being immediately translated into French, excited a great degree of attention to the subject, and this was much increased by the publication of my first paper of experiments in a large article of the Philosophical Transactions the year following, for which I received the gold medal of the society. My method of impregnating water with fixed air was considered at a meeting of the College of Physicians, before whom I made the experiments, and by them it was recommended to the Lords of the Admiral (by whom they had been summoned for the purpose) as likely to be of use in the sea scurvy.

The only person in Leeds who gave much attention to my experiments was Mr. Hay, a surgeon. He was a zealous methodist, and wrote answers to some of

this important respect. This plainness of his apparatus rendered his experiments easy to be repeated, and gave them accuracy. In this respect he was like his great Cotemporary Scheele, whose discoveries were made by means easy to be procured and at small expence. The French Chemists have adopted a practice quite the reverse. T. C.

of my theological tracts; but we always conversed with the greatest freedom on philosophical subjects, without mentioning any thing relating to theology. When I left Leeds, he begged of me the earthen trough in which I had made all my experiments on air while I was there. It was such an one as is there commonly used for washing linnen.

Having succeeded so well in the History of Electricity, I was induced to undertake the history of all the branches of experimental philosophy; and at Leeds I gave out proposals for that purpose, and published the *History of discoveries relating to vision light and colours.* This work, also, I believe I executed to general satisfaction, and being an undertaking of great expence, I was under the necessity of publishing it by subscription. The sale, however, was not such as to encourage me to proceed with a work of so much labour and expence; so that after purchasing a great number of books, to enable me to finish my undertaking, I was obliged to abandon it, and to apply wholly to original experiments.*

In writing the History of discoveries relating to vision,

* Many of the subscriptions remained unpaid.

vision, I was much assisted by Mr. Michell, the discoverer of the method of making artificial magnets. Living at Thornhill, not very far from Leeds, I frequently visited him, and was very happy in his society, as I also was in that of Mr. Smeaton, who lived still nearer to me. He made me a present of his excellent air pump, which I constantly use to this day. Having strongly recommended his construction of this instrument, it is now generally used; whereas before that hardly any had been made during the twenty years which had elapsed after the account that he had given of it in the Philosophical Transactions.

I was also instrumental in reviving the use of large electrical machines, and batteries, in electricity, the generality of electrical machines being little more than play things at the time that I began my experiments. The first very large electrical machine was made by Mr. Nairne in consequence of a request made to me by the Grand Duke of Tuscany, to get him the best machine that we could make in England. This, and another that he made for Mr. Vaughan, were constituted on a plan of my own. But afterwards Mr. Nairne made large machines on a more simple and improved construction; and in consideration of

the service which I had rendered him, he made me a present of a pretty large machine of the same kind.

The review of my history of electricity by Mr. Bewley, who was acquainted with Mr. Michell, was the means of opening a correspondence between us, which was the source of much satisfaction to me as long as he lived. I instantly communicated to him an account of every new experiment that I made, and, in return, was favoured with his remarks upon them. All that he published of his own were articles in the *Appendixes* to my volumes on air, all of which are ingenious and valuable. Always publishing in this manner, he used to call himself my *satellite*. There was a vein of pleasant wit and humour in all his correspondence, which added greatly to the value of it. His letters to me would have made several volumes, and mine to him still more. When he found himself dangerously ill, he made a point of paying me a visit before he died; and he made a journey from Norfolk to Birmingham, accompanied by Mrs. Bewley, for that purpose; and after spending about a week with me, he went to his friend Dr. Burney, and at his house he died.

While I was at Leeds a proposal was made to me

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to accompany Captain Cook in his second voyage to the south seas. As the terms were very advantageous, I consented to it, and the heads of my congregation had agreed to keep an assistant to supply my place during my absence. But Mr. Banks informed me that I was objected to by some clergymen in the board of longitude, who had the direction of this business, on account of my religious principles; and presently after I heard that Dr. Forster, a person far better qualified for the purpose, had got the appointment. As I had barely acquiesced in the proposal, this was no disappointment to me, and I was much better employed at home, even with respect to my philosophical pursuits. My knowledge of natural history was not sufficient for the undertaking; but at that time I should by application have been able to supply my deficiency, though now I am sensible I could not do it.

At Leeds I was particularly happy in my intercourse with Mr. Turner of Wakefield, and occasionally, with Mr. Cappe of York, and Mr. Graham of Halifax. And here it was that, in consequence of a visit which in company with Mr. Turner I made to the Archdeacon Blackburne at Richmond (with

whom I had kept up a correspondence from the time that his son was under my care at Warrington) I first met with Mr. Lindsey, then of Catterick, and a correspondence and intimacy commenced, which has been the source of more real satisfaction to me than any other circumstance in my whole life. He soon discovered to me that he was uneasy in his situation, and had thoughts of quitting it. At first I was not forward to encourage him in it, but rather advised him to make what alteration he thought proper in the offices of the church, and leave it to his superiors to dismiss him if they chose. But his better judgment, and greater fortitude, led him to give up all connexion with the established church of his own accord.

This took place about the time of my leaving Leeds, and it was not until long after this that I was apprized of all the difficulties he had to struggle with before he could accomplish his purpose. But the opposition made to it by his nearest friends, and those who might have been expected to approve of the step that he took, and to have endeavoured to make it easy to him, was one of the greatest. Notwithstanding this he left Catterick, where he had lived

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in affluence idolized by his parish, and went to London without any certain prospect; where he lived in two rooms of a ground floor, until by the assistance of his friends, he was able to pay for the use of the upper apartments, which the state of his health rendered necessary. In this humble situation have I passed some of the most pleasing hours of my life, when, in consequence of living with Lord Shelburne, I spent my winters in London.

On this occasion it was that my intimacy with Mr. Lindsey was much improved, and an entire concurrence in every thing that we thought to be for the interest of christianity gave fresh warmth to our friendship. To his society I owe much of my zeal for the doctrine of the divine unity, for which he made so great sacrifices, and in the defence of which he so much distinguished himself, so as to occasion a new æra in the history of religion in this country.

As we became more intimate, confiding in his better taste and judgment, and also in that of Mrs. Lindsey, a woman of the same spirit and views, and in all respects a help meet for him, I never chose to publish any thing of moment relating to Theology without consulting him; and hardly ever ventured

to insert any thing that they disapproved, being sensible that my disposition led to precipitancy, to which their coolness was a seasonable check.

At Leeds began my intercourse with Mr. Lee of Lincoln's Inn. He was a native of the place, and exactly one week older than myself. At that time he was particularly connected with the congregation, and before he was married spent his vacations with us. His friendship was a source of much greater satisfaction and advantage to me after I came to reside in London, and especially at the time of my leaving Lord Shelburne, when my prospects wore rather a cloudy aspect.

When I visited London, during my residence at Leeds, commenced my particular friendship for Dr. Price, to whom I had been introduced several years before by Dr. Benson; our first interview having been at Mr. Brownsword's at Newington, where they were members of a small literary society, in which they read various compositions. At that time Dr. Benson read a paper which afterwards made a section in his *Life of Christ*. For the most amiable simplicity of character, equalled only by that of Mr. Lindsey, a truly christian spirit, disinterested patriotism,

triotism, and true candour, no man in my opinion ever exceeded Dr. Price. His candour will appear the more extraordinary, considering his warm attachments to the theological sentiments which he embraced in very early life. I shall ever reflect upon our friendship as a circumstance highly honourable, as it was a source of peculiar satisfaction, to me.

I had two sons born to me at Leeds, Joseph and William, and though I was very happy there, I was tempted to leave it after continuing there six years, to go into the family of the Earl of Shelburne, now the Marquis of Lansdowne; he stipulating to give me 250 £. per annum, a house to live in, and a certainty for life in case of his death, or of my separation from him; whereas at Leeds my salary was only one hundred guineas per annum, and a house, which was not quite sufficient for the subsistence of my family, without a possibility of making a provision for them after my death.

I had been recommended to Lord Shelburne by Dr. Price, as a person qualified to be a literary companion to him. In this situation, my family being at Calne in Wiltshire, near to his Lordship's seat at Bowood, I continued seven years, spending the

summer with my family, and a great part of the winter in his Lordship's house in London. My office was nominally that of *librarian*, but I had little employment as such, besides arranging his books, taking a catalogue of them, and of his manuscripts, which were numerous, and making an index to his collection of private papers. In fact I was with him as a friend, and the second year made with him the tour of Flanders, Holland, and Germany, as far as Strasburgh; and after spending a month at Paris, returned to England. This was in the year 1774.

This little excursion made me more sensible than I should otherwise have been of the benefit of foreign travel, even without the advantage of much conversation with foreigners. The very sight of new countries, new buildings, new customs, &c. and the very hearing of an unintelligible new language, gives new ideas, and tends to enlarge the mind. To me this little time was extremely pleasing, especially as I saw every thing to the greatest advantage, and without any anxiety or trouble, and had an opportunity of seeing and conversing with every person of eminence wherever we came; the political characters by his Lordship's connections,

and

and the literary ones by my own. I was soon, however, tired of Paris, and chose to spend my evenings at the hotel, in company with a few literary friends. Fortunately for me, Mr. Magellan* being at Paris, at the same time, spent most of the evenings with me; and as I chose to return before his Lordship, he accompanied me to London, and made the journey very pleasing to me; he being used to the country, the language, and the manners of it, which I was not. He had seen much of the world,

* JOHN HYACINTH DE MAGELLAN a descendant of the famous Navigator Magellan, was a Portuguese Jesuit, but far more attached to Philosophy than Christianity. He was much employed by his rich and noble correspondents abroad to procure philosophical Instruments from the Artists of Great Britain. He was a good judge of these, and being of a mechanical turn as well as a man of Science, he improved their construction in many instances. He was member of and attendant on almost all the philosophical Clubs and Meetings in London, and was generally furnished with early intelligence of philosophical discoveries from the continent. On the 17th of September 1785 he made a donation of 200 guineas to the American philosophical Society, the interest whereof was to be appropriated annually as a premium for the most useful discoveries or improvements in navigation or natural philosophy, but to the exclusion of mere natural history. He died a few years ago, leaving Mr. Nicholson and the late Dr. Crawford his Executors. T. C.

world, and his conversation during our journey was particularly interesting to me. Indeed, in London, both before and after this time, I always found him very friendly, especially in every thing that related to my philosophical pursuits.

As I was sufficiently apprized of the fact, I did not wonder, as I otherwise should have done, to find all the philosophical persons to whom I was introduced at Paris unbelievers in christianity, and even professed Atheists. As I chose on all occasions to appear as a christian, I was told by some of them, that I was the only person they had ever met with, of whose understanding they had any opinion, who professed to believe christianity. But on interrogating them on the subject, I soon found that they had given no proper attention to it, and did not really know what christianity was. This was also the case with a great part of the company that I saw at Lord Shelburne's. But I hope that my always avowing myself to be a christian, and holding myself ready on all occasions to defend the genuine principles of it, was not without its use. Having conversed so much with unbelievers at home and abroad, I thought I should be able to combat their prejudices with some advan-

advantage, and with this view I wrote, while I was with Lord Shelburne, the first part of my *Letters to a philosophical unbeliever*, in proof of the doctrines of a God and a providence, and to this I have added during my residence at Birmingham, a second part, in defence of the evidences of christianity. The first part being replied to by a person who called himself Mr. Hammon, I wrote a reply to his piece, which has hitherto remained unanswered. I am happy to find that this work of mine has done some good, and I hope that in due time it will do more. I can truly say that the greatest satisfaction I receive from the success of my philosophical pursuits, arises from the weight it may give to my attempts to defend christianity, and to free it from those corruptions which prevent its reception with philosophical and thinking persons, whose influence with the vulgar, and the unthinking, is very great.

With Lord Shelburne I saw a great variety of characters, but, of our neighbours in Wiltshire, the person I had the most frequent opportunity of seeing was Dr. Frampton, a clergyman, whose history may serve as a lesson to many. No man perhaps was ever better qualified to please in a convivial hour, or

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had greater talents for conversation and repartee; in consequence of which, though there were several things very disgusting about him, his society was much courted, and many promises of preferment were made to him. To these, notwithstanding his knowledge of the world, and of high life, he gave too much credit; so that he spared no expence to gratify his taste and appetite, until he was universally involved in debt; and though his friends made some efforts to relieve him, he was confined a year in the county prison at a time when his bodily infirmities required the greatest indulgences; and he obtained his release but a short time before his death on condition of his living on a scanty allowance; the income of his livings (amounting to more than 400 £. per annum) being in the hands of his creditors. Such was the end of a man who kept the table in a roar.

Dr. Frampton being a high churchman, he could not at first conceal his aversion to me, and endeavoured to do me some ill offices. But being a man of letters, and despising the clergy in his neighbourhood, he became at last much attached to me; and in his distresses was satisfied, I believe, that I was one of his most sincere friends. With some great defects he

had

had some considerable virtues, and uncommon abilities, which appeared more particularly in extempore speaking. He always preached without notes, and when, on some occasions, he composed his sermons, he could, if he chose to do it, repeat the whole *verbatim*. He frequently extemporized in verse, in a great variety of measures.

In Lord Shelburne's family was Lady Arabella Denny, who is well known by her extensive charities. She is (for she is still living) a woman of good understanding, and great piety. She had the care of his Lordship's two sons until they came under the care of Mr. Jervis,* who was their tutor during my continuance in the family. His Lordship's younger son, who died suddenly, had made astonishing attainments both in knowledge and piety, while very young, far beyond any thing that I had an opportunity of observing in my life.

When I went to his Lordship, I had materials for one volume of *experiments on air*, which I soon after published, and inscribed to him; and before I left him I published three volumes more, and had materials for a fourth, which I published immediately on my settling in Birmingham. He encouraged me

* Mr Jervis was afterwards pastor of the Presbyterian (Unitn) congregation of St Thomas's Southwark from 1785 to 1796, he then removed to Princes St Westminster to succeed Dr Kippis - he continued 12 years - in 1808 he became pastor of the Mill Hill congregation at Leeds, he resigned in 1818 and died at 86 in 1833 - He

in the prosecution of my philosophical enquiries, and allowed me 40 £. per annum for expences of that kind, and was pleased to see me make experiments to entertain his guests, and especially foreigners.

Notwithstanding the attention that I gave to philosophy in this situation, I did not discontinue my other studies, especially in theology and metaphysics. Here I wrote my *Miscellaneous Observations relating to education*, and published my *Lectures on Oratory and Criticism*, which I dedicated to Lord Fitzmaurice, Lord Shelburne's eldest son. Here also I published the third and last part of my *Institutes of Natural and Revealed religion;* and having in the Preface attacked the principles of Dr. Reid, Dr. Beattie, and Dr. Oswald, with respect to their doctrine of *Common Sense*, which they made to supercede all rational inquiry into the subject of religion, I was led to consider their system in a separate work, which, though written in a manner that I do not intirely approve, has, I hope upon the whole been of service to the cause of free inquiry and truth.*

In

* This reply of Dr. Priestley to the Scotch Doctors, though not written

married after leaving Leeds
Frances Ivas, daughter of the Rev Dr John
Finney of the Hyde, Essex, & formerly Pastor
of Essex St Chapel London

In the preface I had expressed my belief of the doctrine of *Philosophical Necessity*, but without any design to pursue the subject, and also my great admiration of Dr. Hartley's theory of the human mind, as indeed I had taken many opportunities of doing before. This led me to publish that part of his *observations on man* which related to the doctrine of association of ideas, detached from the doctrine of vibrations, prefixing *three dissertations*, explanatory of his general system. In one of these I expressed some doubt of the immateriality of the sentient principle in man; and the outcry that was made on what I casually expressed on that subject can hardly be imagined. In all the newspapers, and most of the periodical publications, I was represented as an unbeliever in revelation, and no better than an Atheist.

This

written in a manner that his maturer reflection approved, compleatly set at rest the question of Common Sense as denoting the intuitive evidence of a class of moral and religious propositions capable of satisfactory proof, or of high probability from considerations *ab extra*. But Dr. Reid ought hardly to be classed with coadjutors so inferior as the Drs. Oswald and Beattie. The latter wrote something which he meant as a defence of the christian religion; but such defenders of christianity as Dr. Beattie and Soame Jenyns, are well calculated to bring it into contempt with men of reason and reflection. T. C.

This led me to give the closest attention to the subject, and the consequence was the firmest persuasion that man is wholly material, and that our only prospect of immortality is from the christian doctrine of a resurrection. I therefore digested my thoughts on the subject, and published my *Disquisitions relating to matter and spirit*, also the subjects of *Socinianism* and *necessity* being nearly connected with the doctrine of the materiality of man, I advanced several considerations from the state of opinions in antient times in favour of the former; and in a separate volume discussed more at large what related to the latter, dedicating the first volume of this work to Mr. Graham, and the second to Dr. Jebb.

It being probable that this publication would be unpopular, and might be a means of bringing odium on my patron, several attempts were made by his friends, though none by himself, to dissuade me from persisting in it. But being, as I thought, engaged in the cause of important truth, I proceeded without regard to any consequences, assuring them that this publication should not be injurious to his Lordship.

In order, however, to proceed with the greatest caution,

caution, in a business of such moment, I desired some of my learned friends, and especially Dr. Price, to peruse the work before it was published; and the remarks that he made upon it led to a free and friendly discussion of the several subjects of it, which we afterwards published jointly; and it remains a proof of the possibility of discussing subjects mutually considered as of the greatest importance, with the most perfect good temper, and without the least diminution of friendship. This work I dedicated to our common friend Mr. Lee.

In this situation I published my *Harmony of the gospels*, on the idea of the public ministry of Jesus having continued little more than one year, a scheme which I first proposed in the Theological Repository; and the Bishop of Waterford having in his *Harmony* published a defence of the common hypothesis, viz. that of its having been three years, I addressed a *letter to him* on the subject, and to this he made a reply in a separate work. The controversy proceeded to several publications on both sides, in the most amicable manner, and the last *Postscript* was published jointly by us both. Though my side of the question was without any advocates that I know of,

and had only been adopted by Mr. Mann, who seemed to have had no followers, there are few persons, I believe, who have attended to our discussion of the subject, who are not satisfied that I have sufficiently proved what I had advanced. This controversy was not finished until after my removal to Birmingham.

Reflecting on the time that I spent with Lord Shelburne, being as a guest in the family, I can truly say that I was not at all fascinated with that mode of life. Instead of looking back upon it with regret, one of the greatest subjects of my present thankfulness is the change of that situation for the one in which I am now placed; and yet I was far from being unhappy there, much less so than those who are born to such a state, and pass all their lives in it. These are generally unhappy from the want of *necessary* employment; on which account chiefly there appears to be much more happiness in the middle classes of life, who are above the fear of want, and yet have a sufficient motive for a constant exertion of their faculties; and who have always some other object besides amusement.

I used to make no scruple of maintaining, that there

there is not only most virtue, and most happiness, but even most true politeness in the middle classes of life. For in proportion as men pass more of their time in the society of their equals, they get a better established habit of governing their tempers; they attend more to the feelings of others, and are more disposed to accommodate themselves to them. On the other hand, the passions of persons in higher life, having been less controlled, are more apt to be inflamed; the idea of their rank and superiority to others seldom quits them; and though they are in the habit of concealing their feelings, and disguising their passions, it is not always so well done, but that persons of ordinary discernment may perceive what they inwardly suffer. On this account, they are really intitled to compassion, it being the almost unavoidable consequence of their education and mode of life. But when the mind is not hurt in such a situation, when a person born to affluence can lose sight of himself, and truly feel and act for others, the character is so godlike, as shews that this inequality of condition is not without its use. Like the general discipline of life, it is for the present lost no

on the great mass, but on a few it produces what no other state of things could do.*

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* The account here given of Dr. Priestley's connection with Lord Shelburne must be gratifying to every friend of science and literature, notwithstanding the subsequent separation. To such persons the character of a nobleman who like Lord Shelburne, devotes so much of his time, and so much of his income to the pursuits of knowledge, and the encouragement of those who eminently contribute to enlighten mankind, cannot but be interesting. Had he behaved dishonourably or disrespectfully to a man of Dr. Priestley's high station in the literary world, it would have been an argument that science and literature were ineffectual to soften the pride of titled opulence and hereditary rank, But Ovid has observed justly, *(ingenuas didicisse fideliter Artes, emollit mores nec sinit esse feros.)*

It is right to mention an anecdote highly honourable to Lord Shelburne, on the authority of Dr. Priestley. At the conclusion of the treaty of peace in 1783, negotiated by Lord Shelburne while he was in the ministry, a strong opposition was expected, particularly from his former coadjutors who soon after the death of Lord Rockingham had seceded from Lord Shelburne's administration. It was suggested to this nobleman, that it was customary for the minister for the time being to let it be understood among the mutes of the ministerial members, that they might expect the usual douceur for their votes on such an occasion. Some light might be thrown on the nature and quantum of this douceur, by the list of ministerial rewards distributed at the close of each session, as stated publicly to the house of Commons

The greatest part of the time that I spent with Lord Shelburne I passed with much satisfaction, his Lordship always behaving to me with uniform politeness, and his guests with respect. But about two years before I left him, I perceived evident marks of dissatisfaction, though I never understood the cause of it; and until that time he had been even lavish on all occasions in expressing his satisfaction in my society to our common friends. When I left him, I asked him whether he had any fault to find with my conduct, and he said *none*.

At length, however, he intimated to Dr. Price, that he wished to give me an establishment in Ireland, where he had large property. This gave me an opportunity of acquainting him, that if he chose to dissolve the connexion, it should be on the terms expressed in the writings which we mutually signed when

mons by the late Sir George Saville. Lord Shelburne without hesitation refused compliance; and declared that if his peace could not obtain the unbought approbation of the house, it might take its chance. The consequence was that although the address was carried in the Lords by 72 to 59 it was lost in the Commons by 224 to 208.

T. C.

when it was formed, in consequence of which I should be entitled to an annuity of an hundred and fifty pounds, and then I would provide for myself, and to this he readily acceded. He told Dr. Price that he wished our separation to be amicable, and I assured him that nothing should be wanting on my part to make it truly so. Accordingly, I expected that he would receive my visits when I should be occasionally in London, but he declined them.

However, when I had been some years settled at Birmingham, he sent an especial messenger, and common friend, to engage me again in his service, having, as that friend assured me, a deep sense of the loss of Lord Ashburton (Mr. Dunning) by death, and of Colonel Barre by his becoming almost blind, and his want of some able and faithful friend, such as he had experienced in me; with other expressions more flattering than those. I did not chuse, however, on any consideration, to leave the very eligible situation in which I now am, but expressed my readiness to do him any service in my power. His Lordship's enemies have insinuated that he was not punctual in the payment of my annuity; but the contrary is true: Hitherto nothing could have been

more

more punctual, and I have no reason to suppose that it will ever be otherwise.

At Calne I had another son born to me, whom, at Lord Shelburne's request, I called Henry.

It was at the time of my leaving Lord Shelburne that I found the great value of Mr. and Mrs. Lindsey's friendship, in such a manner as I certainly had no expectation of when our acquaintance commenced; especially by their introducing me to the notice of Mrs. Rayner, one of his hearers, and most zealous friends.

Notwithstanding my allowance from Lord Shelburne was larger than that which I had at Leeds, yet my family growing up, and my expences, on this and other accounts, increasing more than in proportion, I was barely able to support my removal. But my situation being intimated to Mrs. Rayner, besides smaller sums, with which she occasionally assisted me, she gave me an hundred guineas to defray the expence of my removal, and deposited with Mrs. Lindsey, which she soon after gave up to me, four hundred guineas, and to this day has never failed giving me every year marks of her friendship. Her's is, indeed, I seriously think, one of the first christian

characters that I was ever acquainted with, having a cultivated comprehensive mind, equal to any subject of theology or metaphysics, intrepid in the cause of truth, and most rationally pious.

Spending so much of my time in London was the means of increasing my intimacy with both Mr. Lindsey and Mr. Lee, our common friend; who amidst the bustle of politics, always preserved his attachment to theology, and the cause of truth. The Sunday I always spent with Mr. Lindsey, attending the service of his chapel, and sometimes officiating for him; and with him and Mrs. Lindsey I generally spent the evening of that day at Mr. Lee's who then admitted no other company, and seldom have I enjoyed society with more relish.

My winter's residence in London was the means of improving my acquaintance with Dr. Franklin. I was seldom many days without seeing him, and being members of the same club, we constantly returned together. The difference with America breaking out at this time, our conversation was chiefly of a political nature; and I can bear witness, that he was so far from promoting, as was generally supposed, that he took every method in his power to prevent a rupture

ture between the two countries. He urged so much the doctrine of forbearance, that for some time he was unpopular with the Americans on that account, as too much a friend to Great Britain. His advice to them was to bear every thing for the present, as they were sure in time to out grow all their grievances; as it could not be in the power of the mother country to oppress them long.

He dreaded the war, and often said that, if the difference should come to an open rupture, it would be a war of *ten years*, and he should not live to see the end of it. In reality the war lasted near eight years but he did live to see the happy termination of it. That the issue would be favorable to America, he never doubted. The English, he used to say, may take all our great towns, but that will not give them possession of the country. The last day that he spent in England, having given out that he should leave London the day before, we passed together, without any other company; and much of the time was employed in reading American newspapers, especially accounts of the reception which the *Boston port bill* met with in America; and as he read the addresses to the inhabitants of Boston from the places

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in the neighbourhood, the tears trickled down his cheeks.*

It is much to be lamented, that a man of Dr. Franklin's general good character, and great influence, should have been an unbeliever in christianity, and also have done so much as he did to make others unbelievers. To me, however, he acknowledged that he had not given so much attention as he ought to have done to the evidences of christianity, and desired me to recommend to him a few treatises on the subject, such as I thought most deserving of his notice, but not of great length, promising to read them, and give me his sentiments on them. Accordingly, I recommended to him Hartley's evidences of christianity in his Observations on Man, and what I had then written on the subject in my Institutes of natural and revealed religion. But the American war breaking out soon after, I do not believe that he ever found himself sufficiently at leisure for the discussion. I have kept up a correspondence with him occasionally ever since, and three of his

* For two letters written by my father relating to Dr. Franklin and Mr Burke see appendix No. [illegible]

of his letters to me were, with his consent, published in his Miscellaneous Works, in quarto. The first of them, written immediately on his landing in America, is very striking.

About three years before the dissolution of my connection with Lord Shelburne, Dr. Fothergill, with whom I had always lived on terms of much intimacy, having observed, as he said, that many of my experiments had not been carried to their proper extent on account of the expence that would have attended them, proposed to me a subscription from himself and some of his friends, to supply me with whatever sums I should want for that purpose, and named a hundred pounds per annum. This large subscription I declined, lest the discovery of it (by the use that I should, of course, make of it) should give umbrage to Lord Shelburne, but I consented to accept of 40 £. per annum, which from that time he regularly paid me, from the contribution of himself, Sir Theodore Jansen, Mr. Constable, and Sir George Saville.

On my leaving Lord Shelburne, which was attended with the loss of one half of my income, Dr. Fothergill proposed an enlargement of my allowance

ance for my experiments, and likewise for my maintenance, without being under the necessity of giving my time to pupils, which I must otherwise have done. And, considering the generosity with which this voluntary offer was made by persons who could well afford it, and who thought me qualified to serve the interests of science, I thought it right to accept of it; and I preferred it to any pension from the court, offers of which were more than once made by persons who thought they could have procured one for me.

As it was my wish to do what might be in my power to shew my gratitude to my friends and benefactors that suggested the idea of writing these Memoirs, I shall subjoin a list of their names. Some of the subscriptions were made with a view to defray the expence of my experiments only; but the greater part of the subscribers were persons who were equally friends to my theological studies.

The persons who made me this regular annual allowance were Dr. Watson and his son, Mr. Wedgwood, Mr. Moseley, Mr. S. Salte, Mr. Jeffries, Mr. Radcliffe, Mr. Remington, Mr. Strutt of Derby, Mr. Shore, Mr. Reynolds of Paxton, Messrs. Galton

Galton, father and son, and the Rev. Mr. Simpson.

Besides the persons whose names appear in this list, as regular subscribers, there were other persons who, without chusing to be known as such, contributed no less to my support, and some considerably more.

My chief benefactress was Mrs. Rayner, and next to her Dr. Heberden, equally distinguished for his love of religious truth, and his zeal to promote science. Such also is the character of Mr. Tayleur of Shrewsbury, who has at different times remitted me considerable sums, chiefly to defray the expences incurred by my theological inquiries and publications.

Mr. Parker of Fleet street very generously supplied me with every instrument that I wanted in glass, particularly a capital burning lens,* sixteen inches in diameter. All his benefactions in this way would have amounted to a considerable sum. Mr. Wedgwood also, besides his annual benefaction, supplied me

* Though his sight was not much worse than before during the last ten years of his life it had been much injured by his experiments with the burning Lens of which he made much use in summer time.

me with every thing that I wanted made of pottery, such as retorts, tubes, &c. which the account of my experiments will shew to have been of great use to me.

On my removal to Birmingham commenced my intimacy with Mr. William Russell, whose public spirit, and zeal in every good cause, can hardly be exceeded. My obligations to him were various and constant, so as not to be estimated by sums of money. At his proposal I doubt not, some of the heads of the congregation made me a present of two hundred pounds, to assist me in my theological publications.

Mr. Lee shewed himself particularly my friend at the time that I left Lord Shelburne, assisting me in the difficuties with which I was then pressed, and continuing to befriend me afterwards by seasonable benefactions. By him it was hinted to me during the administration of Lord Rockingham, with whom he had great influence, that I might have a pension from the government, to assist in defraying the expence of my experiments. Another hint of the same kind was given me in the beginning of Mr. Pitt's administration by a Bishop in whose power it was to

have

have procured it from him. But in both cases I declined the overture, wishing to preserve myself independent of every thing connected with the court, and preferring the assistance of generous and opulent individuals, lovers of science, and also lovers of liberty. Without assistance I could not have carried on my experiments at all, except on a very small scale, and under great disadvantages.

Mr. Galton, before I had any opportunity of being personally acquainted with him, had, on the death of Dr. Fothergill, taken up his subscription. His son did the same, and the friendship of the latter has added much to the happiness of my situation here.* Seldom, if ever, have I known two persons of such cultivated minds, pleasing manners, and liberal dispositions, as he and Mrs. Galton. The latter had the greatest attachment imaginable to my wife.

Mr. Salte was zealous in promoting the subscriptions to my experiments, and moreover proposed to take one of my sons as an apprentice without any fee. But my brother-in-law making the same offer, I gave it the preference: Mr. Wedgwood, who has distin-

* Birmingham.

distinguished himself by his application to philosophical pursuits, as well as by his great success in the improvement of his manufactory, was very zealous to serve me, and urged me to accept of a much larger allowance than I chose.

The favours that I received from my two brothers-in-law deserve my most grateful acknowledgments. They acted the part of kind and generous relations, especially at the time when I most wanted assistance. It was in consequence of Mr. John Wilkinson's proposal, who wished to have us nearer to him, that, being undetermined where to settle, I fixed upon Birmingham, where he soon provided a house for me.

My apology for accepting of these large benefactions is, that besides the great expence of my philosophical and even my theological studies, and the education of three sons and a daughter, the reputation I had, justly or unjustly, acquired brought on me a train of expences not easy to describe, to avoid or to estimate; so that without so much as keeping a horse (which the kindness of Mr. Russel made unnecessary) the expence of housekeeping, &c. was more than double the amount of any regular income that I had.

I consider my settlement at Birmingham as the happiest event in my life, being highly favorable to every object I had in view, philosophical or theological. In the former respect I had the convenience of good workmen of every kind, and the society of persons eminent for their knowledge of chemistry, particularly Mr. Watt, Mr. Keir, and Dr. Withering. These with Mr. Boulton, and Dr. Darwin, who soon left us by removing from Litchfield to Derby, Mr. Galton, and afterwards Mr. Johnson of Kenelworth and myself dined together every month, calling ourselves the *lunar society*, because the time of our meeting was near the full moon.

With respect to theology, I had the society of Mr. Hawkes, Mr. Blyth, and Mr. Scholefield, and his assistant Mr. Coates, and, while he lived Mr. Palmer, before of Macclesfield. We met and drank tea together, every fortnight. At this meeting we read all the papers that were sent for the Theological Repository, which I revived some time after my coming hither, and in general our conversation was of the same cast as that with my fellow tutors at Warrington.

Within a quarter of a year of my coming to reside

at Birmingham, Mr. Hawkes resigned, and I had an unanimous invitation to succeed him, as colleague with Mr. Blyth, a man of a truly christian temper. The congregation we serve is the most liberal, I believe, of any in England; and to this freedom the unwearied labours of Mr. Bourne had eminently contributed.

With this congregation I greatly improved my plan of catechizing and lecturing, and my classes have been well attended. I have also introduced the custom of expounding the scriptures as I read them, which I had never done before, but which I would earnestly recommend to all ministers. My time being much taken up with my philosophical and other studies, I agreed with the congregation to leave the business of baptizing, and visiting the sick, to Mr. Blyth, and to confine my services to the Sundays. I have been minister here between seven and eight years, without any interruption of my happiness; and for this I am sensible I am in a great measure indebted to the friendship of Mr. Russell.

Here I have never long intermitted my philosophical pursuits, and I have published two volumes of experiments, besides communications to the Royal Society.

In

In theology I have completed my friendly controversy with the Bishop of Waterford on the duration of Christ's ministry, I have published a variety of single sermons, which, with the addition of a few others, I have lately collected, and published in one volume, and I am now engaged in a controversy of great extent, and which promises to be of considerable consequence, relating to the person of Christ.

This was occasioned by my *History of the Corruptions of Christianity*, which I composed and published presently after my settlement at Birmingham, the first section of which being rudely attacked in the Monthly Review,* then by Dr. Horsely, and afterwards by Mr. Howes, and other particular opponents, I undertook to collect from the original writers the state of opinions on the subject in the age succeeding that of the apostles, and I have published the result of my investigation in my *History of early opinions concerning*

* Written by Mr. Badcock. Mr. Badcock was originally a dissenting minister. He came to pay his respects to my father at Calne, at which time he agreed with him upon most subjects. He afterwards found reason to change his opinions, or at least his conduct, connecting himself with the Clergy of the Church of England, and became my father's bitter enemy.

ning Jesus Christ, in four volumes octavo. This work has brought me more antagonists, and I now write a pamphlet annually in defence of the unitarian doctrine against all my opponents.

My only Arian antagonist is Dr. Price, with whom the discussion of the question has proceeded with perfect amity. But no Arian has as yet appeared upon the ground to which I wish to confine the controversy, viz. the state of opinions in the primitive times, as one means of collecting what was the doctrine of the apostles, and the true sense of scripture on the subject.

Some years ago I resumed the *Theological Repository* in which I first advanced my objections to the doctrine of the miraculous conception of Jesus, and his natural fallibility and peccability. These opinions gave at first great alarm, even to my best friends; but that is now in a great measure subsided. For want of sufficient sale, I shall be obliged to discontinue this Repository for some time.

At present I thank God I can say that my prospects are better than they have ever been before, and my own health, and that of my wife, better established, and my hopes as to the dispositions and future settlement of my children satisfactory.

I shall

I shall now close this account of myself with some observations of a general nature, but chiefly an account of those circumstances for which I have more particular reason to be thankful to that good being who has brought me hitherto, and to whom I trust I habitually ascribe whatever my partial friends think the world indebted to me for,

I. Not to enlarge again on what has been mentioned already, on the fundamental blessings of a religious and liberal education, I have particular reason to be thankful for a happy temperament of body and mind, both derived from my parents. My father, grand father, and several branches of the family, were remarkably healthy, and long lived; and though my constitution has been far from robust, and was much injured by a consumptive tendency, or rather an ulcer in my lungs, the consequence of improper conduct of myself when I was at school (being often violently heated with exercise, and as often imprudently chilled by bathing, &c.) from which with great difficulty I recovered, it has been excellently adapted to that studious life which has fallen to my lot.

I have never been subject to head-achs, or any

other complaints that are peculiarly unfavourable to study. I have never found myself less disposed, or less qualified, for mental exertions of any kind at one time of the day more than another; but all seasons have been equal to me, early or late, before dinner or after, &c. And so far have I been from suffering by my application to study, (which however has never been so close or intense as some have imagined) that I have found my health improving from the age of eighteen to the present time; and never have I found myself more free from any disorder than at present. I must, however, except a short time preceding and following my leaving Lord Shelburne, when I laboured under a bilious complaint, in which I was troubled with gall stones, which sometimes gave me exquisite pain. But by confining myself to a vegetable diet, I perfectly recovered; and I have now been so long free from the disorder that I am under no apprehension of its return.

It has been a singular happiness to me, and a proof, I believe, of a radically good constitution, that I have always slept well, and have awaked with my faculties perfectly vigorous, without any disposition to drowsiness. Also, whenever I have been fatigued with

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any kind of exertion, I could at any time sit down and sleep; and whatever cause of anxiety I may have had, I have almost always lost sight of it when I have got to bed; and I have generally fallen asleep as soon as I have been warm.*

I even think it an advantage to me, and am truly thankful for it, that my health received the check that it did when I was young; since a muscular habit from high health, and strong spirits, are not, I think, in general accompanied with that sensibility of mind, which is both favourable to piety, and to speculative pursuits.†

To a fundamentally good constitution of body, and the being who gave it me, I owe an even chearfulness of temper, which has had but few interruptions.

* My father was an early riser. He never slept more than six hours. He said he did not remember having lost a whole night's sleep but once, though when awake he often had to suffer much from pain and sickness as well as from other circumstances of a very afflictive nature.

† Though not a muscular man he went through great exertion at various times of his life with activity. He walked very firmly, and expeditiously.

ons. This I inherit from my father, who had uniformly better spirits than any man that I ever knew, and by this means was as happy towards the close of life, when reduced to poverty, and dependent upon others, as in his best days; and who, I am confident, would not have been unhappy, as I have frequently heard him say, in a workhouse.

Though my readers will easily suppose that, in the course of a life so full of vicissitude as mine has been, many things must have occurred to mortify and discompose me, nothing has ever depressed my mind beyond a very short period. My spirits have never failed to recover their natural level, and I have frequently observed, and at first with some surprize, that the most perfect satisfaction I have ever felt has been a day or two after an event that afflicted me the most, and without any change having taken place in the state of things. Having found this to be the case after many of my troubles, the persuasion that it *would* be so, after a new cause of uneasiness, has never failed to lessen the effect of its first impression, and together with my firm belief of the doctrine of necessity, (and consequently that of every thing being ordered for the best) has contributed to that degree

degree of composure which I have enjoyed through life, so that I have always considered myself as one of the happiest of men.

When I was a young author, (though I did not publish any thing until I was about thirty) strictures on my writings gave me some disturbance, though I believe even then less than they do most others; but after some time, things of that kind hardly affected me at all, and on this account I may be said to have been well formed for public controversy.* But what has always made me easy in any controversy in which I have been engaged, has been my fixed resolution frankly to acknowledge any mistake that I might perceive I had fallen into. That I have never been in the least backward to do this in matters of philosophy, can never be denied.

As I have not failed to attend to the phenomena of my own mind, as well as to those of other parts of nature,

* Though Dr. Priestley has been considered as fond of controversy and that his chief delight consisted in it, yet it is far from being true. He was more frequently the defendant than the assailant. His controversies as far as it depended upon himself were carried on with temper and decency. He was never malicious nor even sarcastic or indignant unless provoked. T. C.

nature, I have not been insensible of some great defects, as well as some advantages, attending its constitution; having from an early period been subject to a most humbling failure of recollection, so that I have sometimes lost all ideas of both persons and things, that I have been conversant with. I have so completely forgotten what I have myself published, that in reading my own writings, what I find in them often appears perfectly new to me, and I have more than once made experiments the results of which had been published by me.

I shall particularly mention one fact of this kind, as it alarmed me much at the time, as a symptom of all my mental powers totally failing me, until I was relieved by the recollection of things of a similar nature having happened to me before. When I was composing the *Dissertations* which are prefixed to my *Harmony of the gospels*, I had to ascertain something which had been the subject of much discussion relating to the Jewish passover (I have now forgotten what it was) and for that purpose had to consult, and compare several writers. This I accordingly did, and digested the result in the compass of a few paragraphs, which I wrote in short hand. But having

ving mislaid the paper, and my attention having been drawn off to other things, in the space of a fortnight, I did the same thing over again; and should never have discovered that I had done it twice, if, after the second paper was transcribed for the press, I had not accidentally found the former, which I viewed with a degree of terror.

Apprized of this defect, I never fail to note down as soon as possible every thing that I wish not to forget. The same failing has led me to devise, and have recourse to, a variety of mechanical expedients to secure and arrange my thoughts, which have been of the greatest use to me in the composition of large and complex works; and what has excited the wonder of some of my readers, would only have made them smile if they had seen me at work. But by simple and mechanical methods one man shall do that in a month, which shall cost another, of equal ability, whole years to execute. This methodical arrangement of a large work is greatly facilitated by mechanical methods, and nothing contributes more to the perspicuity of a large work, than a good arrangement of its parts.

What I have known with respect to myself has

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tended much to lessen both my admiration, and my contempt, of others. Could we have entered into the mind of Sir Isaac Newton, and have traced all the steps by which he produced his great works, we might see nothing very extraordinary in the process. And great powers with respect to some things are generally attended with great defects in others; and these may not appear in a man's writings. For this reason it seldom happens but that our admiration of philosophers and writers is lessened by a personal knowledge of them.

As great excellencies are often balanced by great, though not apparent, defects, so great and apparent defects are often accompanied by great, though not apparent, excellencies. Thus my defect in point of recollection, which may be owing to a want of sufficient coherence in the association of ideas formerly impressed, may arise from a mental constitution more favourable to new associations; so that what I have lost with respect to memory, may have been compensated by what is called invention, or new and original combinations of ideas. This is a subject that deserves attention, as well as every thing else that relates to the affections of the mind.

Though

Though I have often composed much in a little time, it by no means follows that I could have done much in a given time. For whenever I have done much business in a short time, it has always been with the idea of having time more than sufficient to do it in; so that I have always felt myself at ease, and I could have done nothing, as many can, if I had been hurried.

Knowing the necessity of this state of my mind to the dispatch of business, I have never put off any thing to the last moment; and instead of doing that on the morrow which ought to be done to day, I have often blamed myself for doing to day what had better have been put off until to morrow; precipitancy being more my fault than procrastination.

It has been a great advantage to me that I have never been under the necessity of retiring from company in order to compose any thing. Being fond of domestic life, I got a habit of writing on any subject by the parlour fire, with my wife and children about me, and occasionally talking to them, without experiencing any inconvenience from such interruptions. Nothing but reading, or speaking without interruption, has been any obstruction to me. For I could not

help

help attending (as some can) when others spoke in my hearing. These are useful habits, which studious persons in general might acquire, if they would; and many persons greatly distress themselves, and others, by the idea that they can do nothing except in perfect solitude or silence.

Another great subject of my thankfulness to a good providence is my perfect freedom from any embarrassment in my circumstances, so that, without any anxiety on the subject, my supplies have always been equal to my wants; and now that my expences are increased to a degree that I had no conception of some years ago, I am a richer man than I was, and without laying myself out for the purpose. What is more, this indifference about an increase of fortune has been the means of attaining it. When I began my experiments, I expended on them all the money I could possibly raise, carried on by my ardour in philosophical investigations, and entirely regardless of consequences, except so far as never to contract any debt; and if this had been without success, my imprudence would have been manifest. But having succeeded, I was in time more than indemnified for all that I had expended.

My

My theological studies, especially those which made it necessary for me to consult the Christian Fathers, &c. have also been expensive to me. But I have found my theological friends even more liberal than my philosophical ones, and all beyond my expectations.

In reflecting on my past life I have often thought of two sayings of Jacob. When he had lost one of his sons, and thought of other things that were afflictions to him, he said, "all these things are against me," at the same time that they were in reality making for him. So the impediment in my speech, and the difficulties of my situation at Needham, I now see as much cause to be thankful for, as for the most brilliant scenes in my life.

I have also applied to myself what Jacob said on his return from Padan Aram. "With my staff I went over this Jordan, and now I am become two bands;" when I consider how little I carried with me to Needham and Nantwich, how much more I had to carry to Warrington, how much more still to Leeds, how much more than that to Calne, and then to Birmingham.

Yet, frequently as I have changed my situation,

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and always for the better, I can truly say that I never wished for any change on my own account. I should have been contented even at Needham, if I could have been unmolested, and had bare necessaries. This freedom from anxiety was remarkable in my father, and therefore is in a manner hereditary to me; but it has been much increased by reflection; having frequently observed, especially with respect to christian ministers, how often it has contributed to embitter their lives, without being of any use to them. Some attention to the improvement of a man's circumstances is, no doubt, right, because no man can tell what occasion he may have for money, especially if he have children, and therefore I do not recommend my example to others. But I am thankful to that good providence which always took more care of me than I ever took of myself.

Hitherto I have had great reason to be thankful with respect to my children, as they have a prospect of enjoying a good share of health, and a sufficient capacity for performing the duties of their stations. They have also good dispositions, and as much as could be expected at their age, a sense of religion. But as I hope they will live to see this work, I say

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the less on this subject, and I hope they will consider what I say in their favour as an incitement to exert themselves to act a christian and useful part in life; that the care that I and their mother have taken of their instruction may not be lost upon them, and that they may secure a happy meeting with us in a better world.

I esteem it a singular happiness to have lived in an age and country, in which I have been at full liberty both to investigate, and by preaching and writing to propagate, religious truth; that though the freedom I have used for this purpose was for some time disadvantageous to me, it was not long so, and that my present situation is such that I can with the greatest openness urge whatever appears to me to be the truth of the gospel, not only without giving the least offence, but with the intire approbation of those with whom I am particularly connected.

As to the dislike which I have drawn upon myself by my writings, whether that of the Calvinistic party, in or out of the church of England, those who rank with rational dissenters (but who have been exceedingly offended at my carrying my inquiries farther than they wished any person to do)

or whether they be unbelievers, I am thankful that it gives less disturbance to me than it does to themselves; and that their dislike is much more than compensated by the cordial esteem and approbation of my conduct by a few, whose minds are congenial to my own, and especially that the number of such person increases. [*Birmingham*, 1787.

A Continuation of the Memoirs, written at Northumberland in America in the beginning of the year 1795.

WHEN I wrote the preceding part of these Memoirs I was happy as must have appeared in the course of them, in the prospect of spending the remainder of my life at Birmingham, where I had every advantage for pursuing my studies, both philosophical and theological; but it pleased the sovereign disposer of all things to appoint for me other removals, and the manner in which they were brought about were more painful to me than the removals themselves. I am far, however, from questioning the wisdom or the goodness of the appointments respecting myself or others.

To resume the account of my pursuits where the former part of the Memoirs left it, I must observe that, in the prosecution of my *experiments*, I was led to maintain the doctrine of phlogiston against Mr. Lavoisier and other chemists in France, whose opinions were adopted not only by almost all the philosophers of that country, but by those in England and Scotland also. My friends, however, of the lunar society were never satisfied with the Anti-phlogistic doctrine. My experiments and observations on this subject were published in various papers in the Philosophical Transactions. At Birmingham I also published a new edition of my publications on the subject of *air*, and others connected with it, reducing the six volumes to three, which, with his consent, I dedicated to the prince of Wales.

In theology I continued my *defences of Unitarianism*, until it appeared to myself and my friends that my antagonists produced nothing to which it was of any consequence to reply. But I did not, as I had proposed, publish any address to the bishops, or to the legislature, on the subject. The former I wrote, but did not publish. I left it, however, in the hands of Mr. Belsham when I came to America, that he

might dispose of it as he should think proper.

The pains that I took to ascertain the state of early opinions concerning Jesus Christ, and the great misapprehensions I perceived in all the ecclesiastical historians, led me to undertake a *General History of the christian church to the fall of the Western empire*, which accordingly I wrote in two volumes octavo, and dedicated to Mr. Shore. This work I mean to continue.

At Birmingham I wrote the *second part* of my *Letters to a philosophical Unbeliever*, and dedicated the whole to Mr. Tayleur of Shrewsbury, who had afforded me most material assistance in the publication of many of my theological works, without which, the sale being inconsiderable, I should not have been able to publish them at all.

Before I left Birmingham I preached a funeral sermon for my friend Dr. Price, and another for Mr. Robinson of Cambridge, who died with us on a visit to preach our annual charity school sermon. I also preached the last annual sermon to the friends of the college at Hackney. All these three sermons were published.

About two years before I left Birmingham the question

question about the *test act* was much agitated both in and out of parliament. This, however, was altogether without any concurrence of mine. I only delivered, and published, a sermon on the 5th of November 1789, recommending the most peaceable method of pursuing our object. Mr. Madan, however, the most respectable clergyman in the town, preaching and publishing a most inflammatory sermon on the subject, inveighing in the bitterest manner against the Dissenters in general, and myself in particular, I addressed a number of *familiar letters to the inhabitants of Birmingham* in our defence. This produced a reply from him, and other letters from me. All mine were written in an ironical and rather a pleasant manner, and in some of the last of them I introduced a farther reply to Mr. Burn, another clergyman in Birmingham, who had addressed to me *letters on the infallibility of the testimony of the Apostles concerning the person of Christ*, after replying to his first set of Letters, in a separate publication.

From these small pieces I was far from expecting any serious consequences. But the Dissenters in general being very obnoxious to the court, and it being imagined, though without any reason, that I

had been the chief promoter of the measures which gave them offence, the clergy, not only in Birmingham, but through all England, seemed to make it their business, by writing in the public papers, by preaching, and other methods, to inflame the minds of the people against me. And on occasion of the celebration of the anniversary of the French revolution on July 14th, 1791, by several of my friends, but with which I had little to do, a mob encouraged by some persons in power, first burned the meeting house in which I preached, then another meeting house in the town, and then my dwelling house, demolishing my library, apparatus, and, as far as they could, every thing belonging to me. They also burned, or much damaged, the houses of many Dissenters, chiefly my friends; the particulars of which I need not recite, as they will be found in two *Appeals* which I published on the subject written presently after the riots.

Being in some personal danger on this occasion, I went to London; and so violent was the spirit of party which then prevailed, that I believe I could hardly have been safe in any other place. There, however, I was perfectly so, though I continued to be

be an object of troublesome attention until I left the country altogether. It shewed no small degree of courage and friendship in Mr. William Vaughan to receive me into his house, and also in Mr. Salte, with whom I spent a month at Tottenham. But it shewed more in Dr. Price's congregation at Hackney, to invite me to succeed him, which they did, though not unanimously, some time after my arrival in London.

In this situation I found myself as happy as I had been at Birmingham, and contrary to general expectation, I opened my lectures to young persons with great success, being attended by many from London; and though I lost some of the hearers, I left the congregation in a better situation than that in which I found it.

On the whole, I spent my time even more happily at Hackney than ever I had done before; having every advantage for my philosophical and theological studies, in some respect superior to what I had enjoyed at Birmingham, especially from my easy access to Mr. Lindsey, and my frequent intercourse with Mr. Belsham, professor of divinity in the New College, near which I lived. Never, on this side the

grave, do I expect to enjoy myself so much as I did by the fire side of Mr. Lindsey, conversing with him and Mrs. Lindsey on theological and other subjects, or in my frequent walks with Mr. Belsham, whose views of most important subjects were, like Mr. Lindsey's, the same with my own.

I found, however, my society much restricted with respect to my philosophical acquaintance; most of the members of the Royal Society shunning me on account of my religious or political opinions, so that I at length withdrew myself from them, and gave my reasons for so doing in the Preface to my *Observations and Experiments on the generation of air from water*, which I published at Hackney. For, with the assistance of my friends, I had in a great measure replaced my Apparatus, and had resumed my experiments, though after the loss of near two years.

Living in the neighbourhood of the New College, I voluntarily undertook to deliver the lectures to the pupils on the subject of *History and General policy*, which I had composed at Warrington, and also on *Experimental Philosophy and Chemistry*, the *Heads* of which I drew up for this purpose, and afterwards published.

published. In being useful to this Institution I found a source of considerable satisfaction to myself. Indeed, I have always had a high degree af enjoyment in lecturing to young persons, though more on theological subjects than on any other.

After the riots in Birmingham I wrote *an Appeal to the Public* on the subject, and that being replied to by the clergy of the place, I wrote a *second part*, to which, though they had pledged themselves to do it, they made no reply; so that, in fact the criminality of the magistrates, and other principal High-church men at Birmingham, in promoting the riot, remains acknowledged. Indeed, many circumstances, which have appeared since that time, shew that the friends of the court, if not the prime ministers themselves, were the favourers of that riot; having, no doubt, thought to intimidate the friends of liberty by the measure.

To my Appeal I subjoined various *Addresses** that

* Many of these addresses have been published already. In the appendix to the present life (No. 7.) will be given an arranged list of the addresses to Dr. Priestley from various bodies of men at various times of his life; they illustrate the following positions so honourable

that were sent to me from several descriptions of persons in England, and abroad; and from them I will not deny that I received much satisfaction, as it appeared that the friends of liberty, civil and religious, were of opinion that I was a sufferer in that cause. From France I received a considerable number of Addresses; and when the present *National Convention* was called, I was invited by many of the departments to be a member of it. But I thought

nourable to his character, and so necessary to a just view of it. 1st That wherever he officiated as a dissenting minister, he never quitted his situation but with the sincere regrets of those among whom he had resided, and with parting testimonies of their affectionate approbation of his conduct. 2dly. That the riots at Birmingham called forth such abundant testimonies in favour of his moral conduct and eminent usefulness, that the promoters of those riots whether in church or state can have no palliation in the eye of a discerning public for their proceedings, so far as he was the object of them. Those only use violence in opposition to argument who have no argument to use. 3dly. That his quitting England for America, was regarded as a national loss to Great Britain, and the circumstances which induced it, a national disgrace. 4thly. That his reception in this country was as honourable as his friends had reason to expect: And his demeanour since his residence here, has been such as to gain him encreased reputation and respect, among those who knew nothing of him personally before his arrival. T. C.

thought myself more usefully employed at home, and that I was but ill qualified for a business which required knowledge which none but a native of the country could possess; and therefore declined the honour that was proposed to me.

But no addresses gave me so much satisfaction as those from my late congregation, and especially of the young persons belonging to it, who had attended my lectures. They are a standing testimony of the zeal and fidelity with which I did my duty with respect to them, and which I value highly.

Besides congratulatory addresses, I received much pecuniary assistance from various persons, and bodies of men, which more than compensated for my pecuniary losses, though what was awarded me at the Assizes fell two thousand pounds short of them. But my brother-in-law, Mr. John Wilkinson, from whom I had not at that time any expectation, in consequence of my son's leaving his employment, was the most generous on the occasion. Without any solicitation, he immediately sent me five hundred pounds, and afterwards transferred to me ten thousand pounds which he had deposited in the French funds, and until that be productive, he allows me two hundred pounds per annum.

After

After the riots, I published my *Letters to the Swedenborgian Society*, which I had composed, and prepared for the press just before.

Mr. Wakefield living in the neighbourhood of the College, and publishing at this time his objections to *public worship*, they made a great impression on many of our young men, and in his Preface he reflected much on the character of Dr. Price. On both these accounts I thought myself called upon to reply to him, which I did in a series of *Letters to a young man*. But though he made several angry replies, I never noticed any of them. In this situation I also answered Mr. Evanson's *Observations on the dissonance of the Evangelists* in a *second set of Letters to a young man*. He also replied to me, but I was satisfied with what I had done, and did not continue the controversy.

Besides the *sermon* which I delivered on my acceptance of the invitation to the meeting at Hackney, in the preface to which I gave a detailed account of my *system of catechizing*, I published two *Fast sermons* for the years 1793 and 1794, in the latter of which I gave my ideas of antient prophecies compared with the then state of Europe, and in the preface to it I

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gave an account of my reasons for leaving the country. I also published a *Farewell sermon.**

But the most important of my publications in this situation were a series of *Letters to the Philosophers and Politicians of France on the subject of Religion.* I thought that the light in which I then stood in that country gave me some advantage in my attempts to enforce the evidence of natural and revealed religion. I also published a set of *sermons on the evidences of revelation,* which I first delivered by public notice, and the delivery of which was attended by great numbers. They were printed just before I left England.

As the reasons for this step in my conduct are given at large in the preface to my Fast sermon, I shall not dwell upon them here. The bigotry of the country in general made it impossible for me to place my sons in it to any advantage. William had been some time in France, and on the breaking out of the troubles in that country he had embarked for America, where his two brothers met him. My own situation,

* These reasons, as shewing the progress and state of his mind that induced this new æra of his life, will be inserted hereafter.

ation, if not hazardous, was become unpleasant, so that I thonght my removal would be of more service to the cause of truth than my longer stay in England. At length, therefore, with the approbation of all my friends, without exceprion, but with great reluctance on my own part, I came to that resolution; I being at a time of life in which I could not expect much satisfaction as to friends and society, comparable to that which I left, in which the resumption of my philosophical pursuits must be attended with great disadvantage, and in which success in my still more favourite pursuit, the propagation of unitarianism, was still more uncertain. It was also painful to me to leave my daughter, Mr. Finch having the greatest aversion to leave his relations and friends in England.

At the time of my leaving England my son in conjunction with Mr. Cooper, and other English emigrants, had a scheme for a large settlement for the friends of liberty in general near the head of the Susquehanna in Pennsylvania. And taking it for granted that it would be carried into effect, after landing at New-York, I went to Philadelphia, and thence came to Northumberland, a town the nearest to the propos-

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ed settlement, thinking to reside there until some progress had been made in it. The settlement was given up; but being here, and my wife and myself liking the place, I have determined to take up my residence here, though subject to many disadvantages. Philadelphia was excessively expensive, and this comparatively a cheap place; and my son's, settling in the neighbourhood, will be less exposed to temptation, and more likely to form habits of sobriety and industry. They will also be settled at much less expence than in or near a large town. We hope, after some time, to be joined by a few of our friends from England, that a readier communication will be opened with Philadelphia, and that the place will improve, and become more eligible in other respects.

When I was at sea, I wrote some *observations on the cause of the present prevalence of infidelity*, which I published, and prefixed to a new edition of the *Letters to the Philosophers and Politicians of France*. I have also published my *Fast and Farewell sermons*, and my *small tracts* in defence of unitarianism, also a *Continuation of those Letters*, and a *third part of Letters to a Philosophical Unbeliever*, in answer to *Mr. Paine's Age of Reason*.

The

The observations on the prevalence of infidelity I have much enlarged, and intend soon to print; but I am chiefly employed on the Continuation of my History of the christian church.

Northumberland, March 24, 1795, in which I have completed the sixty second year of my age.

A

CONTINUATION

OF THE

MEMOIRS

OF

DR. JOSEPH PRIESTLEY.

[*Written by his Son Joseph Priestley.*]

THUS far the narrative is from my father's manuscript, and I regret extremely, with the reader, that it falls to my lot to give an account of the latter period of his valuable life.

I entertained hopes at one time, that he would have continued it himself; and he was frequently requested to do so, by me and many of his friends in the course of the year preceding his death. He had then nearly compleated all the literary works he had in view, he had arrived at that period of life

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when, in imitation of his friend Mr. Lindsey, he had determined not to preach again in public, and beyond which he probably would not have ventured to publish any work without first subjecting it to the inspection of some judicious friend.

He was requested also, in imitation of Courayer, to add at the close of his Memoirs a summary of his religious opinions. This would have counteracted the suspicions entertained by some, that they had undergone a considerable change since his coming to America; and it was thought by his friends, that such a brief and simple statement of all that appeared to him essential to the christian belief, and the christian character, would attract the attention of many readers previously indisposed to religion altogether, from not understanding its real nature, and judging of it only from the corrupt, adulterated, and complicated state, in which it is professed in all countries called christian. Unbelievers in general have no conception of the perfect coincidence of christianity with rational philosophy, of the sublime views it affords of the divine benevolence, and how powerfully it acts to promote the pleasures and lessen the evils of the present life, at the same time that it holds out

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to us a certain prospect of a future and endless state of enjoyment. It was suggested to him also, that as his society through life had been singularly varied and extensive, and his opportunities of attaining a general knowledge of the world, and a particular knowledge of eminent political and literary characters, very great, it would contribute much to the instruction and amusement of those into whose hands his Memoirs should fall, if they were accompanied with anecdotes of the principal characters with whom he had been acquainted. For he had a fund of anecdote which he was never backward to produce for the amusement of his friends, as occasions served for introducing it. But his relations were never sarcastic or ironical, or tended to disparage the characters of the persons spoken of, unless on subjects of manifest importance to the interests of society.

He meant to have complied with the above suggestions, but being at that time very busily employed about his Comparison, and thinking his Memoirs of little value compared with the works about which he wasthen engaged, he put off the completion of his narrative, until his other works should be ready for the

press. Unfortunately this was too late. The work he had in hand was not compleated until the 22d January, when he was very weak and suffered greatly from his disorder, and he died on the 6th of February following:

The reader will therefore make allowance for the difference between what these Memoirs might have been, and what they now are; and particularly for the part which I venture to lay before the public as a continuation of his own account.

The reasons that induced him to quit England, and the progress of his opinions and inclinations respecting that last important æra in his life, have been but briefly stated in the preceding pages by himself. But as many may peruse these Memoirs, into whose hands his appeal to the public, occasioned by the riots at Birmingham, and his Fast sermon, in which he assigns at length his reasons for leaving his native country, are not likely to fall; I think it right to present to the readers, in his own words the history of the motives that impelled him to exchange his residence in England for one in this country.

The disgraceful riots at Birmingham were certainly the chief cause that first induced my father to think

think of leaving England, though at the time of his writing the second part of the Appeal, in August 1792, he had not come to any determination on the subject. This appears from the following passage which as it shews the progress of his discontent, and likewise the true state of his political opinions, particularly in relation to the English form of government I shall quote.—

"In this almost universal prevalence of a spirit so extremely hostile to me and my friends, and which would be gratified by my destruction, it cannot be any matter of surprise, that a son of mine should wish to abandon a country in which his father has been used as I have been, especially when it is considered that this son was present at the riot in Birmingham, exerting himself all the dreadful night of the 14th of July, to save what he could of my most valuable property; that in consequence of this his life was in imminent danger, and another young man was nearly killed because he was mistaken for him. This would probably have been his fate, if a friend had not almost perforce kept him concealed some days, so that neither myself nor his mother knew what was become of him. I had not, how-

ever, the ambition to court the honour that has been shewn him by the national assembly of France, and even declined the proposal of his naturalization. At the most, I supposed it would have been done without any *eclat;* and I knew nothing of its being done in so very honourable a way until I saw the account in the public newspapers. To whatever country this son of mine shall choose to attach himself, I trust that, from the good principles, and the spirit, that he has hitherto shewn, he will discharge the duties of a good citizen."

"As to myself, I cannot be supposed to feel much attachment to a country in which I have neither found protection, nor redress. But I am too old, and my habits too fixed, to remove, as I own I should otherwise have been disposed to do, to France, or America. The little that I am capable of doing must be in England, where I shall therefore continue, as long as it shall please the supreme Disposer of all things to permit me*.

* "Since this was written, I have myself, without any solicitation on my part, been made a citizen of France, and moreover elected a member of the present Conventional Assembly. These, I scruple not to avow, I consider as the greatest of honours; though, for the reasons which are now made public, I have declined accepting the latter."

It might have been thought that, having written so much in defence of revelation, and of Christianity in general, more perhaps than all the clergy of the church of England now living; this defence of a *common cause* would have been received as some atonement for my demerits in writing against civil establishments of christianity, and particular doctrines. But had I been an open enemy of all religion, the animosity against me could not have been greater than it is. Neither Mr. Hume nor Mr. Gibbon was a thousandth part so obnoxious to the clergy as I am; so little respect have my enemies for christianity itself, compared with what they have for their emoluments from it."

"As to my supposed hostility to the principles of the civil constitution of this country, there has been no pretence whatever for charging me with any thing of the kind. Besides that the very catalogue of my publications will prove that my life has been devoted to literature, and chiefly to natural philosophy and theology, which have not left me any leisure for factious politics; in the few things that I have written of a political nature, I have been an avowed advocate for our mixed government by

King, Lords, and Commons; but because I have objected to the ecclesiastical part of it, and to particular religious tenets, I have been industriously represented as openly seditious, and endeavouring the overthrow of every thing that is *fixed*, the enemy of all order, and of all government."

"Every publication which bears my name is in favour of our present form of government. But if I had not thought so highly of it, and had seen reason for preferring a more republican form, and had openly advanced that opinion; I do not know that the proposing to free discussion a system of government different from that of England, even to Englishmen, is any crime, according to the existing laws of this country. It has always been thought, at least, that our constitution authorises the free proposal, and discussion, of all theoretical principles whatever, political ones not excepted. And though I might now recommend a very different form of government to a people who had no previous prejudices or habits, the case is very different with respect to one that *has;* and it is the duty of every good citizen to maintain that government of any country which the majority of its inhabitants approve,

prove, whether he himself should otherwise prefer it, or not."

"This, however, is all that can in reason be required of any man. To demand more would be as absurd as to oblige every man, by the law of marriage, to maintain that his particular wife was absolutely the handsomest, and best tempered woman in the world; whereas it is surely sufficient if a man behave well to his wife, and discharge the duties of a good husband."

"A very great majority of Englishmen, I am well persuaded, are friends to what are called *high maxims of government*. They would choose to have the power of the crown rather enlarged than reduced, and would rather see all the Dissenters banished than any reformation made in the church. A dread of every thing tending to *republicanism* is manifestly increased of late years, and is likely to increase still more. The very term is become one of the most opprobrious in the English language. The clergy (whose near alliance with the court, and the present royal family, after having been almost a century hostile to them, is a remarkable event in the present reign) have contributed not a little to

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that leaning to arbitrary power in the crown which has lately been growing upon us. They preach up the doctrine of passive obedience and non-resistance with as little disguise as their ancestors did in the reign of the Stuarts, and their adulation of the king and of the minister is abject in the extreme. Both Mr. Madan's sermon and Mr. Burn's reply to my Appeal discover the same spirit; and any sentiment in favour of liberty that is at all bold and manly, such as, till of late, was deemed becoming Englishmen and the disciples of Mr. Locke, is now reprobated as seditious."

"In these circumstances, it would be nothing less than madness seriously to attempt a change in the constitution, and I hope I am not absolutely insane. I sincerely wish my countrymen, as part of the human race (though, I own, I now feel no particular attachment to them on any other ground) the undisturbed enjoyment of that form of government which they so evidently approve; and as I have no favour to ask of them, or of their governors, besides mere protection, as to a stranger, while I violate no known law, and have not this to ask for any long term, I hope it will be granted me. If not, I must,

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like many others, in all ages and all nations, submit to whatever the supreme Being, whose eye is upon us all, and who I believe intends, and will in his own time bring about, the good of all, shall appoint, and by their means execute." [*Appeal part II page* 109. *&c.*]

The rising disinclination which the preceding passage shews had taken place in my father's mind towards a longer residence in England, became confirmed by various circumstances, particularly the determination of his sons to emigrate to America. These, together with other reasons, that finally influenced his conduct on the subject of removing to this country, are stated at large as I have before observed in the preface to his Fast sermon for the year 1794 and I cannot so properly give them as in his own words.

" THIS discourse, and those on the *Evidences of Divine Revelation*, which will be published about the same time, being the last of my labours in this country, I hope my friends, and the public, will indulge me while I give the reasons of their *being* the last, in consequence of my having at length, after much

much hesitation, and now with reluctance, come to a resolution to leave this kingdom.

After the riots in Birmingham, it was the expectation, and evidently the wish, of many persons, that I should immediately fly to France, or America. But I had no consciousness of guilt to induce me to fly my country*. On the contrary, I came directly to London, and instantly, by means of my friend Mr. Russell, signified to the king's ministers, that I *was* there, and ready, if they thought proper,

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* If, instead of flying from lawless violence, I had been flying from public justice, I could not have been pursued with more rancour, nor could my friends have been more anxious for my safety. One man, who happened to see me on horseback on one of the nights in which I escaped from Birmingham, expressed his regret that he had not taken me, expecting probably some considerable reward, as he said, it was so easy for him to have done it. My friends earnestly advised me to disguise myself as I was going to London. But all that was done in that way was taking a place for me in the mail coach, which I entered at Worcester, in another name than my own. However, the friend who had the courage to receive me in London had thought it necessary to provide a dress that should disguise me, and also a method of making my escape, in case the house should have been attacked on my account; and for some time my friends would not suffer me to appear in the streets.

to be interrogated on the subject of the riot. But no notice was taken of the message.

Ill treated as I thought I had been, not merely by the populace of Birmingham, for they were the mere tools of their superiors, but by the country in general, which evidently exulted in our sufferings, and afterwards by the representatives of the nation, who refused to inquire into the cause of them, I own I was not without deliberating upon the subject of emigration; and several flattering proposals were made me, especially from France, which was then at peace within itself, and with all the world; and I was at one time much inclined to go thither, on account of its nearness to England, the agreeableness of its climate, and my having many friends there.

But I likewise considered that, if I went thither I should have no employment of the kind to which I had been accustomed; and the season of active life not being, according to the course of nature, quite over, I wished to make as much use of it as I could. I therefore determined to continue in England, exposed as I was not only to unbounded obloquy and insult, but to every kind of outrage; and after my invitation to succeed my friend

friend Dr. Price, I had no hesitation about it. Accordingly I took up my residence where I now am, though so prevalent was the idea of my insecurity, that I was not able to take the house in my own name; and when a friend of mine took it in *his*, it was with much difficulty that, after some time, the landlord was prevailed upon to transfer the lease to me. He expressed his apprehensions, not only of the house that I occupied, being demolished, but also a capital house in which he himself resides, at the distance of no less than twenty miles from London, whither he supposed the rioters would go next, merely for suffering me to live in a house of *his*.

But even this does not give such an idea of the danger that not only myself, but every person, and every thing, that had the slightest connection with me, were supposed to be in, as the following. The managers of one of the principal charities among the Dissenters applied to me to preach their annual sermon, and I had consented. But the treasurer a man of fortune, who knew nothing more of me than my name, was so much alarmed at it, that he declared he could not sleep. I therefore, to his great relief, declined preaching at all.

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When it was known that I was settled where I now am, several of my friends, who lived near me, were seriously advised to remove their papers, and other most valuable effects, to some place of greater safety in London. On the 14th of July, 1792, it was taken for granted by many of the neighbours, that my house was to come down, just as at Birmingham the year before. When the Hackney association was formed, several servants in the neighbourhood actually removed their goods; and when there was some political meeting at the house of Mr. Breillat, though about two miles from my house, a woman whose daughter was servant in the house contiguous to mine, came to her mistress, to entreat that she might be out of the way; and it was not without much difficulty that she was pacified, and prevailed upon to let her continue in the house, her mistress saying that she was as safe as herself.

On several other occasions the neighbourhood has been greatly alarmed on account of my being so near them. Nor was this without apparent reason. I could name a person, and to appearance a reputable tradesman, who, in the company

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of his friends, and in the hearing of one of my late congregation at Birmingham, but without knowing him to be such, declared that, in case of any disturbance, they would immediately come to Hackney, evidently, for the purpose of mischief. In this state of things, it is not to be wondered at, that of many servants who were recommended to me, and some that were actually hired, very few could, for a long time, be prevailed upon to live with me.

These facts not only shew how general was the idea of my particular insecurity in this country; but what is of much more consequence, and highly interesting to the country at large, an idea of the general disposition to rioting and violence that prevails in it, and that the Dissenters are the objects of it. Mr. Pitt very justly observed, in his speech on the subject of the riots at Birmingham, that it was "the effervescence of the public mind." Indeed the effervescible matter has existed in this country ever since the civil wars in the time of Charles I. and it was particularly apparent in the reign of Queen Anne. But the power of government under the former princes of the House of Hanover prevented

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its doing any mischief. The late events shew that this power is no longer exerted as it used to be, but that, on the contrary there prevails an idea, well or ill founded, that tumultuary proceedings against Dissenters will not receive any effectual discouragement. After what has taken place with respect to Birmingham, all idea of much hazard for insulting and abusing the Dissenters is entirely vanished; whereas the disposition to injure the Catholics was effectually checked by the proceedings of the year 1780. From that time *they* have been safe, and I rejoice in it. But from the year 1791, the Dissenters have been more exposed to insult and outrage than ever.

Having fixed myself at Clapton; unhinged as I had been, and having lost the labour of several years; yet flattering myself that I should end my days here, I took a long lease of my house, and expended a considerable sum in improving it. I also determined, with the assistance of my friends, to resume my philosophical and other pursuits; and after an interruption amounting to about two years, it was with a pleasure that I cannot describe, that I entered my new laboratory, and began the most com-

mon preparatory processes, with a view to some original inquiries. With what success I have laboured, the public has already in some measure seen, and may see more hereafter.

But though I did not choose (notwithstanding I found myself exposed to continual insult) to leave my native country, I found it necessary to provide for my sons elsewhere. My eldest son was settled in a business, which promised to be very advantageous, at Manchester; but his partner though a man of liberality himself, informed him, on perceiving the general prevalence of the spirit which produced the riots in Birmingham, that, owing to his relationship to *me*, he was under the necessity of proposing a separation, which accordingly took place.

On this he had an invitation to join another connexion, in a business in which the spirit of party could not have much affected him; but he declined it. And after he had been present at the assizes at Warwick, he conceived such an idea of this country, that I do not believe any proposal, however advantageous, would have induced him to continue in it; so much was he affected on perceiving his father treated as I had been.

Determin-

Determining to go to America, where he had no prospect but that of being a farmer, he wished to spend a short time with a person who had greatly distinguished himself in that way, and one who from his own general principles, and his friendship for myself, would have given him the best advice and assistance in his power. He, however, declined it, and acknowledged some time after, that had it been known, as it must have been, to his landlord, that he had a son of *mine* with him, he feared he should have been turned out of his farm.

My second son who was present both at the riot, and the assizes, felt more indignation still, and willingly listened to a proposal to settle in France; and there his reception was but too flattering. However, on the breaking out of the war with this country, all mercantile prospects being suspended, he wished to go to America. There his eldest and youngest brother have joined him, and they are now looking out for a settlement, having as yet no fixed views.

The necessity I was under of sending my sons out of this country, was my principal inducement to send the little property that I had out of it too; so that I had nothing in England besides my library,

apparatus, and household goods. By this, I felt myself greatly relieved, it being of little consequence where a man already turned sixty ends his days. Whatever good or evil I have been capable of, is now chiefly done; and I trust that the same consciousness of integrity, which has supported me hitherto, will carry me through any thing that may yet be reserved for me. Seeing, however, no great prospect of doing much good, or having much enjoyment, here, I am now preparing to follow my sons; hoping to be of some use to them in their present unsettled state, and that Providence may yet, advancing in years as I am, find me some sphere of usefulness along with them.

As to the great odium that I have incurred, the charge of *sedition*, or my being an enemy to the constitution or peace of my country, is a mere pretence for it; though it has been so much urged, that it is now generally believed, and all attempts to undeceive the public with respect to it avail nothing at all. The whole course of my studies, from early life, shews how little *politics* of any kind have been my object. Indeed to have written so much as I have in *theology*, and to have done so much in *experimental*

rimental philosophy, and at the same time to have had my mind occupied, as it is supposed to have been, with factious politics, I must have had faculties more than human. Let any person only cast his eye over the long list of my publications, and he will see that they relate almost wholly to theology, philosophy, or general literature.

I did, however, when I was a younger man, and before it was in my power to give much attention to philosophical pursuits, write a small anonymous political pamphlet, on the *State of Liberty in this Country*, about the time of Mr. Wilkes's election for Middlesex, which gained me the acquaintance, and I may say the friendship, of Sir George Savile, and which I had the happiness to enjoy as long as he lived.

At the request also of Dr. Franklin and Dr. Fothergill, I wrote an address to the Dissenters on the subject of the approaching rupture with America, a pamphlet which Sir George Savile, and my other friends, circulated in great numbers, and it was thought with some effect.

After this I entirely ceased to write any thing on the subject of politics, except as far as the business

of the *Test Act*, and of *Civil Establishments of Religion*, had a connection with politics. And though, at the recommendation of Dr. Price, I was presently after this taken into the family of the Marquis of Landsdowne, and I entered into almost all his views, as thinking them just and liberal, I never wrote a single political pamphlet, or even a paragraph in a newspaper, all the time that I was with him, which was seven years.

I never preached a political sermon in my life; unless such as, I believe all Dissenters usually preach on the fifth of November, in favour of *civil and religious liberty*, may be said to be political. And on these occasions, I am confident, that I never advanced any sentiment but such as, until of late years, would have tended to recommend, rather than render me obnoxious, to those who direct the administration of this country. And the doctrines which I adopted when young, and which were even popular then (except with the clergy, who were at that time generally disaffected to the family on the throne) I cannot abandon, merely because the times are so changed, that they are now become unpopular, and the expression and communication of them hazardous.

Farther,

Farther, though I by no means disapprove of societies for political information, such as are now every where discountenanced, and generally suppressed, I never was a member of any of them; nor, indeed, did I ever attend any public meeting, if I could decently avoid it, owing to habits acquired in studious and retired life.

From a mistake of my talents and disposition, I was invited by many of the departments in France, to represent them in the present National Convention, after I had been made a citizen of France, on account of my being considered as one who had been persecuted for my attachment to the cause of liberty here. But though the invitation was repeated with the most flattering importunity, I never hesitated about declining it.

I can farther say with respect to politics, concerning which I believe every Englishman has some opinion or other (and at present, owing to the peculiar nature of the present war, it is almost the only topic of general conversation) that, except in company, I hardly ever think of the subject, my reading, meditation, and writing, being almost wholly engrossed by theology, and philosophy; and of late, as for many

years before the riots in Birmingham, I have spent a very great proportion of my time, as my friends well know, in my laboratory.

If, then, my real crime has not been *sedition*, or *treason*, what has it been? For every *effect* must have some adequate *cause*, and therefore the odium that I have incurred must have been owing to something in my declared sentiments, or conduct, that has exposed me to it. In my opinion, it cannot have been any thing but my open hostility to the doctrines of the established church, and more especially to all civil establishments of religion whatever. This has brought upon me the implacable resentment of the great body of the clergy; and they have found other methods of opposing me besides *argument*, and that use of the *press* which is equally open to us all. They have also found an able ally and champion in Mr. Burke, who (without any provocation except that of answering his book on the French Revolution) has taken several opportunities of inveighing against me, in a place where he knows I cannot reply to him, and from which he also knows that his accusation will reach every corner of the country, and consequently thousands of persons who will

will never read any writings of mine*. They have had another, and still more effectual vehicle of their abuse in what are called the *treasury newspapers*, and other popular publications.

By these and others means, the same party spirit which was the cause of the riots in Birmingham, has been increasing ever since, especially in that neighbourhood. A remarkable instance of this may be seen in a *Letter* addressed, but not sent, to me from *Mr. Foley, rector of Stourbridge*, who acknowledges the satisfaction that he and his brethren have received from one of the grossest and coarsest pieces of abuse of me that has yet appeared, which, as a curious specimen of the kind, I inserted in the *Appendix of my Appeal*, and in which I am represented as no better than Guy Fawkes, or the devil himself. This very Christian divine recommends to

* Mr. Burke having said in the House of Commons, that "I was "made a citizen of France on account of my declared hostility to the "constitution of this country," I, in the public papers, denied the charge, and called upon him for the proofs of it. As he made no reply, I said, in the preface to my Fast Sermon of the last year, p. 9, that "it sufficiently appeared that he had neither ability to maintain "his charge, nor virtue to retract it." A year more of silence on his part having now elapsed, this is become more evident than before.

to the members of the established church to decline all commercial dealings with the Dissenters, as an effectual method of exterminating them. This method has been actually adopted in many parts of England. Also great numbers of the best farmers and artizans in England have been dismissed because they would not go to the established church. *Defoe's Shortest Way with the Dissenters** would have taught the friends of the church a more effectual method still. And yet this Mr. Foley, whom I never saw, and who could not have had any particular cause of enmity to me, had, like Mr. Madan of Birmingham, a character for liberality. What, then, have we to expect from others, when we find so much bigotry and rancour in such men as these?

Many times, by the encouragement of persons from whom better things might have been expected, I have been burned in effigy along with Mr. Paine; and numberless insulting and threatening letters have been sent to me from all parts of the kingdom.†

It

* A tract written in a grave ironical stile, advising to hang them all.

† In one of these I was threatened with being burned alive before a slow fire.

It is not possible for any man to have conducted himself more peaceably than I have done all the time that I have lived at Clapton, yet it has not exempted me not only from the worst suspicions, but very gross insults. A very friendly and innocent club, which I found in the place, has been considered as *Jacobin* chiefly on my account; and at one time there was cause of apprehension that I should have been brought into danger for lending one of Mr. Paine's books. But with some difficulty the neighbourhood was satisfied that I was innocent.

As nothing had been paid to me on account of damages in the riot, when I published the second part of my *Appeal* to the public on the subject, it may be proper to say, that it was paid some time in the beginning of the year 1793, with interest only from the first of January of the same year, though the injury was received in July, 1791; when equity evidently required, that it ought to have been allowed from the time of the riot, especially as, in all the cases, the allowance was far short of the loss. In my case it fell short, as I have shewn, not less than two thousand pounds. And the losses sustained by the other sufferers far exceeded mine. Public justice

tice also required that, if the forms of law, local enmity or any other cause, had prevented our receiving full indemnification, it should have been made up to us from the public treasury; the great end of all civil government being protection from violence, or an indemnification for it. Whatever we might in equity claim, the country owes us, and, if it be just, will some time or other pay, and with interest.

I would farther observe, that since, in a variety of cases, money is allowed where the injury is not of a pecuniary nature, merely because no other compensation can be given, the same should have been done with respect to me, on account of the destruction of my manuscripts, the interruption of my pursuits, the loss of a pleasing and advantageous situation, &c. &c. and had the injury been sustained by a *clergyman*, he would, I doubt not, have claimed, and been allowed, very large damages on this account. So far, however, was there from being any idea of the kind in *my* favour, that my counsel advised me to make no mention of my manuscript *Lectures on the Constitution of England*, a work about as large as that of Blackstone (as may be seen by the syllabus of the particular lectures, sixty-three in all, published

ed in the first edition of my *Essay on a Course of liberal Education for civil and active Life)* because it would be taken for granted that they were of a seditious nature, and would therefore have been of disservice to me with the jury. Accordingly they were, in the account of my losses, included in the article of so much *paper*. After these losses, had I had nothing but the justice of my country to look to, I must have sunk under the burden, incapable of any farther exertions. It was the seasonable generosity of my friends that prevented this, and put it in my power, though with the unavoidable loss of near two years, to resume my former pursuits.

A farther proof of the excessive bigotry of this country is, that, though the clergy of Birmingham resenting what I advanced in the first part of my *Appeal*, replied to it, and pledged themselves to go through with the enquiry along with me, till the whole truth should be investigated, they have made no reply to the *Second Part of my Appeal*, in which I brought specific charges against themselves, and other persons by name, proving them to have been the promoters and abettors of the riot; and yet they have as much respect shown to them as ever, and the country

country at large pays no attention to it. Had the clergy been the injured persons, and Dissenters the rioters, unable to answer the charges brought against them, so great would have been the general indignation at their conduct, that I am persuaded it would not have been possible for them to continue in the country.

I could, if I were so disposed, give my readers many more instances of the bigotry of the clergy of the chnrch of England with respect ro me, which could not fail to excite, in generous minds, equal indignation and contempt; but I forbear.* Had I, however, foreseen what I am now witness to, I certainly should not have made any attempt to replace my library or apparatus, and I soon repented of having done it. But this being done, I was willing to make some use of both before another interruption of my pursuits. I began to philosophize, and make experiments, rather late in life, being

* At a dinner of all the Prebendaries of a cathedral church, the conversation turning on the riots in Birmingham, and on a clergyman having said that if I were mounted on a pile of my publications, he would set fire to them, and burn me alive, they all declared that they would be ready to do the same.

being near forty, for want of the necessary means of doing any thing in this way; and my pursuits have been much interrupted by removals (never indeed chosen by myself, but rendered necessary by circumstances) and my time, being now short, I hoped to have had no occasion for more than one, and that a final, remove. But the circumstances above mentioned have induced me, though with great and sincere regret, to undertake another, and to a greater distance than any that I have hitherto made.

I profess not to be unmoved by the aspect of things exhibited in this discourse. But notwithstanding this, I should willingly have awaited my fate in my native country, whatever it had been, if I had not had sons in America, and if I did not think that a field of public usefulness, which is evidently closing upon me here, might open to more advantage there.

I own also that I am not unaffected by such unexampled punishments as those of Mr. Muir and my friend Mr. Palmer, for offences, which, if, in the eye of reason, they be any at all, are slight, and very insufficiently proved; a measure so subversive of that

freedom

freedom of speaking and acting, which has hitherto been the great pride of Britons. But the sentence of Mr. Winterbotham, for delivering from the pulpit what I am persuaded he never did deliver, and which, similar evidence might have drawn upon myself, or any other dissenting minister, who was an object of general dislike, has something in it still more alarming*. But I trust that conscious innocence

* I trust that the friends of liberty, especially among the Dissenters, will not fail to do every thing in their power to make Mr. Winterbotham's confinement, and also the sufferings of Mr. Palmer and his companions, as easy to them as possible. Having been assisted in a season of persecution myself, I should be very ill deserving of the favours I have received, if I was not particularly desirous of recommending such cases as theirs to general consideration. Here difference in religious sentiment is least of all to be attended to. On the contrary, let those who in this respect differ the most from Mr. Winterbotham, which is my own case, exert themselves the most in his favour. When men of unquestionable integrity and piety suffer in consequence of acting (as such persons always will do) from a principle of *conscience*, they must command the respect even of their enemies, if they also act from principle, though they be thereby led to proceed in an opposite direction.

The case of men of education and reflection (and who act from the best intentions with respect to the community) committing what only *state policy* requires to be considered as *crimes*, but which are allowed on

nocence would support me as it does him, under whatever prejudiced and violent men might *do* to me, as well as *say* of me. But I see no occasion to expose myself to danger without any prospect of doing good, or to continue any longer in a country in which I am so unjustly become the object of general dislike, and not retire to another, where I have reason to think I shall be better received. And I trust that the same good Providence which has attended me hitherto, and made me happy in my present situation, and all my former ones, will attend and bless me in what may still be before me. In all events, *The will of God be done.*

I cannot refrain from repeating again, that I leave

on all hands to imply no moral turpitude, so as to render them unfit for heaven and happiness hereafter, is not to be confounded with that of common felons. There was nothing in the conduct of Louis XIV. and his ministers, that appeared so shocking, so contrary to all ideas of justice, humanity and decency, and that has contributed more to render their memory execrated, than sending such men as Mr. Marolles, and other eminent Protestants, who are now revered as saints and martyrs, to the galleys, along with the vilest miscreants. Compared with this, the punishment of death would be mercy. I trust that, the Scots in general will think these measures a disgrace to their country.

leave my native country with real regret, never expecting to find any where else society so suited to my disposition and habits, such friends as I have here (whose attachment has been more than a balance to all the abuse I have met with from others) and especially to replace one particular Christian friend, in whose absence I shall, for some time at least, find all the world a blank. Still less can I expect to resume my favourite pursuits, with any thing like the advantages I enjoy here. In leaving this country I also abandon a source of maintenance, which I can but ill bear to lose. I can, however truly say, that I leave it without any resentment, or ill-will. On the contrary, I sincerely wish my countrymen all happiness; and when the time for reflection (which my absence may accelerate) shall come, they will, I am confident, do me more justice. They will be convinced that every suspicion they have been led to entertain to my disadvantage has been ill founded, and that I have even some claim to their gratitude and esteem. In this case, I shall look with satisfaction to the time when, if my life be prolonged, I may visit my friends in this country; and perhaps I may, notwithstanding

my

my removal for the present, find a grave (as I believe is naturally the wish of every man) in the land that gave me birth."

On the 8th day of April 1794, my father set sail from London, and arrived at New-York on the 4th of June, where he staid about a fortnight. Many persons went to meet him upon his landing, and while he staid at New-York he received addresses from various Societies, and great attention from many of the most respectable persons in the place. From thence he proceeded to Philadelphia, where he received an address from the American Philosophical Society. Independent of the above marks of respect, he was chosen by an unanimous vote of the Trustees of the University of Philadelphia, professor of Chemistry. He was likewise invited to return and stay at New-York, and open an Unitarian place of worship, which was to have been provided for him, and also to give Lectures on Experimental Philosophy to one hundred subscribers at ten dollars each. These invitations indeed he did not receive until he had been settled some little time at Northumberland. These are sufficient proofs that the citizens of this country were not insensible to

his merit as a Philosopher, and that they esteemed him for the part he took in the politics of Europe. That he was not invited immediately on his arrival to preach either at New-York or Philadelphia, was not from any want of respect for his character, but because Unitarianism was in a manner unknown, and by many ignorantly supposed to have some connection with infidelity. The proper evidences of christianity, the corruptions it has suffered, the monstrous additions that have been engrafted on its primitive simplicity, and the real state of the opinions of christians in the first ages of the church, were subjects that had hardly ever been discussed in this country. The controversies that had been carried on in England had not awakened attention here, and therefore though my father was known as having suffered in consequence of his opposition to the established religion of his country, yet his particular opinions were little understood. As his religious tenets became more known, these prejudices wore away, and independent of the proposal to open a place of Unitarian worship at New-York, mentioned above, I shall have occasion to state the great reason he had to be satisfied with the testimonies of

respect

respect paid to him, by the most eminent persons in the country, not merely in his character as a Philosopher, but as a preacher of the Gospel.

About the middle of July 1794 my father left Philadelphia for Northumberland, a town situated at the confluence of the North-East and West branches of the Susquehanna, and about 130 miles North-West of Philadelphia. I, and some other English gentlemen, had projected a settlement of 300,000 acres of land, about fifty miles distant from Northumberland. The subscription was filled chiefly by persons in England. Northumberland being at that time the nearest town to the proposed settlement, my father wished to see the place, and ascertain what conveniencies it would afford should he incline either to fix there permanently, or only until the settlement should be sufficiently advanced for his accommodation; he was induced likewise to retreat, at least for the summer months, into the country, fearing the effects of the hot weather in such a city as Philadelphia. He had not, as has been erroneously reported, the least concern in the projected settlement. He was not consulted in the formation of the plan of it, nor had he come to any determina-

tion to join it had it been carried into effect.

The scheme of settlement was not confined to any particular class or character of men, religious, or political. It was set on foot to be as it were a rallying point for the English, who were at that time emigrating to America in great numbers, and who it was thought, would be more happy in society of the kind they had been accustomed to, than they would be, dispersed, as they now are, through the whole of the United States. It was farther thought, that by the union of industry and capital, the wilderness would soon become cultivated and equal to any other part of the country in every thing necessary to the enjoyment of life. To promote this as much as possible, the original projectors of that scheme reserved only a few shares for themselves, for which they paid the same as those who had no trouble or expence either in forming the plan, or carrying it into execution. This they did, with a view to take away all source of jealousy, and to increase the facility of settlement, by increasing the proportion of settlers to the quantity of land to be settled. Fortunately for the original proposers, the scheme was abandoned. It might and would

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have answered in a pecuniary point of view, as the land now sells at double and treble the price then asked for it, without the advantages which that settlement would have given rise to; but the generality of Englishmen come to this country with such erroneous ideas, and, unless previously accustomed to a life of labour, are so ill qualified to commence cultivation in a wilderness, that the projectors would most probably have been subject to still more unfounded abuse than they have been, for their well meant endeavours to promote the interests of their countrymen.

The scheme of settlement thus failing, for reasons which it is not necessary now to state, my father, struck with the beauty of the situation of Northumberland, which is universally allowed to be equal if not superior to any in the state; believing that, from the nature of its situation, it was likely to become a great thoroughfare, and having reason to consider it as healthy as it was pleasant, the intermittents to which it has latterly been subject being then unknown, determined to settle there. Before he came to this resolution however, he had the offer of the Professorship of Chemistry in the University of

Pennsylvania, before mentioned, which would probably have yielded him 3000 dollars per annum, there being generally about 200 students in Medicine of whom about 150 attend the Chemical Lectures; as likewise the offer of a situation as Unitarian Preacher and Lecturer in Natural Philosophy as I have likewise mentioned before. At that time he had no inducement to settle at Northumberland contrary to his inclination, as his books and apparatus were still at Philadelphia, his sons had not fixed upon any place of settlement for themselves, and neither he, nor they, had purchased a single foot of land in the town or the neighbourhood of it.

The following reasons among others induced him to prefer a country to a city life. He thought that if he undertook the duties of a professor, he should not be so much at liberty to follow his favourite pursuits as he could wish, and that the expence of living at Philadelphia or New-York would counterbalance the advantages resulting from his salary; and indeed, at that time he had no occasion to attend to any pecuniary considerations, as he believed his income, calculating upon his property in the French funds (which however from circumstances not necessary

to

to be stated in this place, never produced him any thing,) to be more than equal to his wants; but what had greater weight with him than any thing else was that my mother, who had been harrassed in her mind ever since the riots at Birmingham, thought that by living in the country, at a distance from the cities, she should be more likely to obtain that quiet of which she stood so much in need.

Soon after his settlement at Northumberland, many persons, with a view that his qualifications as an instructor of youth should not be wholly lost to the country, concurred in a plan for the establishment of a college at Northumberland. To this scheme several subscribed from this motive alone. Many of the principal landholders, partly from the above and partly from motives of interest, contributed largely both in money and land, and there was a fair prospect, from the liberal principles upon which it was founded, that it would have been of very great advantage to the country. My father was requested to draw up a plan of the course of study he would recommend, as well as the rules for the internal management of the institution, and he was appointed President. He however declined receiving any emolument,

lument, and proposed giving such lectures as he was best qualified for, *gratis;* in the same manner as he had done at Hackney, and he meant to have given to the institution the use of his library and apparatus, until the students could have been furnished with them by means of the funds of the college. In consequence of the unexpected failure of some of the principal contributors, the scheme fell through at that time, and little more was done during my father's life time than to raise the shell of a convenient building.

I shall in this place state, though I shall anticipate, in so doing, that in the year 1803 a vacancy occurred in the University of Pennsylvania, by the death of Dr. Euen, Principal of that institution. It was intimated to my father by many of the Trustees, that in case he would accept of the appointment, there was little doubt of his obtaining it; Mr. M'Kean, the present governor of the State of Pennsylvania, being among others particularly anxious that he should accept of it. In addition to the reasons that had induced him to decline the offer of the Professorship of Chemistry were to be added the weak state of his health, which would have made the idea of his having any serious engagement to fulfil, very irksome to him; he accordingly declined it.

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He had frequent intimations of other proposals of a similar nature that would have been made to him, had it not become generally known, that he could not accede to them from their being inconsistent with the plan of life he had laid down for himself.

I have been thus particular in the account of his reasons for settling at Northumberland, and of the different inducements offered to him to fix elsewhere, to do away the erroneous reports respecting the former, and likewise to counteract the idea that has been so industriously circulated in England, that his abilities were undervalued, that the bigotry and prejudice he had to encounter in this country, were greater than were opposed to him in England; that his life was in consequence rendered uncomfortable, and that if he could, he would have been glad to have returned to his native country, but was restrained by a sense of shame. Some colour was given to these reports by many of his countrymen who, from motives best known to themselves, perhaps thinking thereby to excuse the inconsistency of their own conduct, corroborated the accounts, though many of them had never seen my father in this country, and had no authority whatever for assertions which were entirely

entirely calumnies. Some currency was also given to the statement, by the false and injurious accounts published by the Duke de Liancourt, whose book if I may judge of it by that part which treats of Pennsylvania, and of this neighbourhood in particular, is not entitled to the least credit, being false in almost every particular. This my father himself has stated in a letter addressed to him.

The writer, understanding the language of the country but very imperfectly, must necessarily have been liable to many mistakes; nor is it to be wondered at that a man who details all the tittle tattle of every table to which he is invited, and who can basely convert the hospitable reception he meets with in a strange country, into the means of turning into ridicule those who shewed him attention and meant to serve him, should be even capable of fabricating and circulating gross and injurious falsehoods respecting individuals. I should disgrace myself, in my opinion, and still more should I disgrace the high situation which my father held in the esteem of the public, were I in this work to enter into any further consideration of his attack on my father's character, satisfied that it is beyond the reach of his falsehoods and unprovoked malevolence.

My

My father would, no doubt, have been glad to have returned to England, and have enjoyed the society of his old and much valued friends; he would have rejoiced to have been nearer the centre of the Arts and Sciences; to have been joined again to his congregation and resumed his duties as a Christian Preacher; he would have been glad at the close of life, as he expresses himself, "to have found a grave in the land that gave him birth;" but this was impossible: and no person can read the preface to his Fast Sermon, quoted above, but must be convinced of it. Though he raised the credit of his native country by the brilliancy, the extent and the usefulness of his discoveries in different branches of science; though during his whole life he inculcated principles of virtue and religion, which the government pretended at least to believe were necessary to the well being of the state; though in no one single act of his life had he violated any law of his country or encouraged others to do so, what was the treatment he met with in that land of boasted civilization, and at the close of the 18th Century? It is sufficiently known, and will, as it ought to do, affect the character

racter of the nation at large. Therefore, though he could have forgotten and forgiven all that was past, though the above mentioned motives would have had great weight in inducing him to return, yet there was no reason to expect that he should meet hereafter with better treatment than he had already experienced; and in consequence of this fixed persuasion he never entertained the idea of returning to live in England. He frequently talked indeed of returning to visit his friends; but when peace took place and he could have gone with safety, so comfortably was he settled in this country, and such was his opinion of the state of things in England, that he abandoned even the idea of a temporary journey thither, altogether.

But supposing the above obstacles had not existed to his return to his native country, he had no reason to be, nor was he, dissatisfied with his reception here. Independent of the attentions paid to him upon his first arrival in this country, he continued to receive marks of respect from bodies of men, and from individuals of various opinions in religion and politics, to whom he had been all his life before an utter stranger. Little reason therefore have his countrymen to represent his reception in America as une-

qual

qual to his merits, or to calumniate the general character of the people here. His discoveries did not add to the credit of America as they had done to that of England, yet he was not obliged to withdraw his name from its Philosophical Society, disgusted with its illiberal treatment of himself and his friends. The Americans, comparatively speaking, had little opportunity of judging of his zeal for the real interests of religion, yet he was suffered to live in peace; and this country has not been disgraced by the destruction of a library and apparatus uniformly dedicated to the promotion of Science, and the good of mankind. It will be said that there were not such interests to oppose in America as in England. It is true, and it proves that the Americans have done well not to create such interests, and that the placing all the religious sects upon the same footing with respect to the government of the country, has effectually secured the peace of the community, at the same time that it has essentially promoted the interests of truth and virtue.

Being now settled at Northumberland with his mind at peace, and at ease in his circumstances, he seriously applied himself to those studies which he

he had long heen compelled to desist from, and which he had but imperfectly attended to while he resided at Hackney. It is true that he spent his time there very agreeably, in a society of highly valued friends; but he did little compared to what he effected while he was at Birmingham, or what he has done during his residence here, owing to his time being very much broken in upon at Hackney by company. To prove how much he did in this country it is only necessary to refer to the list of the publications which he presented to the world in various branches of science, in theology and general literature. Here as in England, though more at leisure than formerly, he continued to apportion his time to the various occupations in which he was engaged, and strictly adhered to a regular plan of alternate study and relaxation, from which he never materially deviated.

It was while my father was at the academy that he commenced a practice which he continued until within three or four days of his death, of keeping a diary, in which he put down the occurrences of the day; what he was employed about, where he had been, and particularly an exact account of what he had

had been reading, mentioning the names of the authors, and the number of pages he read, which was generally a fixed number, previously determined upon in his own mind. He likewise noted down any hints suggested by what he read in the course of the day. It was his custom at the beginning of each year to arrange the plan of study that he meant to pursue that year, and to review the general situation of his affairs, and at the end of the year he took an account of the progress he had made, how far he had executed the plan he had laid down, and whether his situation exceeded or fell short of the expectations he had formed.

This practice was a source of great satisfaction to him through life. It was at first adopted as a mode of regulating his studies, and afterwards continued from the pleasure it gave him. The greater part of his diaries were destroyed at the riots at Birmingham, but there are still extant those for the year 1754, 1755 and several of the subsequent years.

As it will serve to shew the regularity with which he pursued his studies, and may possibly be instructive as well as amusing to the reader, I shall give a specimen of the manner in which he spent a year

while he was at the academy, at Daventry, and for that purpose shall select his diary for the year 1755 when he was in his 22d year. The diary contains a particular account of what he read and wrote each day, and at different periods of the year he sums up in the following manner, the progress he had made in improvement, which I give as entered at the end of the diary.

Business done in January, February and March.

Practical.

Howe's blessedness of the righteous; Bennet's pastoral care; Norris's letters and some sermons.

Controversial.

Taylor on Atonement; Hampton's Answer; Sherlock's discourses Vol. 1; Christianity not founded in Argument; Doddridge's Answer; Warburton's divine legation; Benson on the first planting of Christianity; King's Constitution of the Primitive Church.

Classics.

Josephus, Vol. 1, from page 390 to 770; Ovid's Metamorphoses to page 139; Tacitus's History, Life of Agricola, and Manners of the Germans.

Scriptures.

Scriptures.

John the Evangelist, the Acts of the Apostles the Epistles to the Romans, Galatians, Ephesians, 1st and 2d Corinthians, in Greek; Isaiah to the 8th chapter, in Hebrew.

Mathematics.

Maclaurin's Algebra to part 2d.

Entertaining.

Irene; Prince Arthur; Ecclesiastical characters; Dryden's fables; Peruvian tales; Voyage round the world; Oriental tales; Massey's travels; Life of Hai Ebn Yokdam; History of Abdallah.

Composition.

A Sermon on the Wisdom of God; An Oration on the means of Virtue; 1st Vol. of the Institutes of Natural and Revealed Religion.

Business done from April 1st to June 23d.

Practical.

Watts's Catechism, and discourses on Catechizing; Fenelon's spiritual works Vol. 1st and half of Vol. 2d; Saurin's Sermons a few; Thomas a Kempis Book 1st to ch. 21; Cotton Mather's life; Jenning's on preaching Christianity.

Controversial

Towgood, Gill and Breckell on Baptism; Le Clerc on Inspiration; Whiston's Historical preface; Emlyn's narrative and humble enquiry, Apostolical Constitutions; Newton on the prophecies; Winder's History of knowledge; Hoadly on the Sacrament; Lowman on the Revelation; Moral Philosopher; Hume's Political discourses; Middleton's fathers of the four first centuries; Middleton and Waterland's controversy. ——— on the Demoniacs; Goodrich's display of Human Nature.

Classics.

Cicero's 1st. Phillippic.

Historical.

Universal History Vol. 15 and 16 and to page 488 of the 17th.

Composition.

Second Vol. of the Institutes of Natural and Revealed Religion; wrote an article on Edwards's translation of the Psalms for the review.

From June 23d to September 1.

Practical Writers.

Thomas a Kempis from Ch. 21 of Book 1st; Hartley on Man vol. 2d. May's Prayers. Holland's Sermons.

Scriptures.

Scriptures.

From the 1st Epistle of Timothy to the Revelations, and the Gospels of Matthew, Mark, and Luke, in the Greek Testament; The books of Genesis, Exodus, and Leviticus, in the Hebrew Bible.

Classics.

Ovid from Book 9th; Demosthenes 1st Phillippic and 3 Olynthiacs; Herodotus Book 1st; Homer's Iliad, Book 1, 2, 3; Sallust.

History.

Universal History from Vol. 17 p. 488 to the end of Vol. 18. Neal's History of the Puritans 4 Volumes.

Philosophy.

The Anatomical Articles in the Universal Dictionary, several principal Agebraic ones, and all the letter A.

Composition.

12 Sermons.

Business done in September.

Practical.

Holland's Sermons, Vol. 2d; Doddridge's family Expositor Vol. 1.

Scriptures.

John the Evangelist, in Greek.

Numbers, and to the 16th Chapter in Deuteronomy in Hebrew.

Classics.

Homer's Iliad, 12 books.

Mathematical.

Euclid, Lib. 1, 2, 3.

History.

Universal History, Vol. 19th.

Miscellaneous.

Mason's Student; One of Shakespeare's plays.

Composition.

4 Sermons.

Business done in October.

Practical.

Doddridge's Expositor Vol. 2d; Common Prayer Book; Fordyce's Sermons on public Institutions.

Scriptures.

Deuteronomy from Ch. 16 to the end; Ecclesiastes and Solomon's Song in Hebrew and Greek.

Classics.

Homer's Iliad, Book P to the end.

Mathematical.

Euclid, Lib, 4, 5, 6.

Histori-

Historical.

Universal History, Vol. 20th.

Miscellaneous.

5 Shakespeares Plays.

Composition.

3 Sermons.

Business done in November.

Practical.

Abernethy's Practical Sermons.

Scriptures.

Job, in Hebrew and the Septuagint.

Philosophy, Mathematics and Chemistry.

Euclid Lib. 11 and 12 slightly; Boerhave's Theory of Chemistry a good part of Vol. 1st; Rowning's Philosophy half of Vol. 1st.

Classics.

Francis's Horace, Odes 4 books.

History.

Universal History part of Vol. 3d; Jewish Antiquities. History of the Council of Trent to page 133. Anson's voyage by Walter.

Plays.

4 of Shakespeare's plays.

Composition.

2 Sermons.

Business done in December.

Practical.

Abernethy's Posthumous sermons Vol. 2d; Clarke's sermons Vol. 1st. Patric on Ecclesiastes.

Scriptures.

Psalms, in the Hebrew and Septuagint.

Philosophy.

Rowning's Philosophy part 2d and 3d.

Classics.

Francis's Horace Vol. 2 and 3.

Miscellaneous and Entertaining.

Malcolm on Music, half; 4 Shakespeare's plays.

Half of the 1st Vol. of the Rambler.

Popes Ethic Epistles, a few.

History.

Paul's Council of Trent, to page 476; Life of the Duke of Marlborough.

Composition.

4 Sermons.

It will be seen by this extract from his diary, that his studies were very varied, which, as he was always persuaded, enabled him to do so much. This he constantly attended to through life; his chemical and philosophical pursuits serving as a kind of relaxation

laxation from his theological studies. His miscellaneous reading, which was at all times very extensive, comprizing even novels and plays, still served to increase the variety. For many years of his life, he never spent less than two or three hours a day in games of amusement, as cards and backgammon; but particularly chess—at which he and my mother played regularly three games after dinner, and as many after supper. As his children grew up, chess was laid aside for whist or some round game at cards, which he enjoyed as much as any of the company. It is hardly necessary to state that he never played for money, even for the most trifling sum.

To all these modes of relieving the mind, he added bodily exercise. Independent of his laboratory furnishing him with a good deal, as he never employed an operator, and never allowed any one even to light a fire, he generally lived in situations which required his walking a good deal, as at Calne, Birmingham and Hackney. Of that exercise he was very fond. He walked well, and his regular pace was four miles an hour. In situations where the necessity of walking was not imposed upon him, he worked in his garden as at Calne,

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when he had not occasion to go to Bowood; at Northumberland in America, he was particularly attached to this exercise.

But what principally enabled him to do so much was regularity, for it does not appear that at any period of his life he spent more than six or eight hours per day in business that required much mental exertion. I find in the same diary, which I have quoted from above, that he laid down the following daily arrangement of time for a minister's studies: Studying the Scriptures 1 hour. Practical writers 1-2 an hour. Philosophy and History 2 hours. Classics 1-2 an hour. Composition 1 hour—in all 5 hours. He adds below "All which may be "conveniently dispatched before dinner, which leaves "the afternoon for visiting and company, and the "evening for exceeding in any article if there be "occasion. Six hours not too much, nor seven."

It appears by his diary that he followed this plan at that period of his life. He generally walked out in the afternoon or spent it in company. At that time there was a society or club that assembled twice a week, at which the members debated questions, or took it in turn to deliver orations, or read essays

says

says of their own composition. When not attending these meetings, he most generally appears to have spent the evening in company with some of the students in their chambers.

It was by the regularity and variety of his studies, more than by intenseness of application, that he performed so much more than even studious men generally do. At the time he was engaged about the most important works, and when he was not busily employed in making experiments, he always had leisure for company, of which he was fond. He never appeared hurried or behind hand. He however never carried his complaisance so far as to neglect the daily task he had imposed upon himself; but as he was uniformly an early riser, and dispatched his more serious pursuits in the morning, it rarely happened but that he could accomplish the labours assigned for the day, without having occasion to withdraw from visitors at home, or society abroad, or giving reason to suppose that the company of others was a restraint upon his pursuits.

This habit of regularity, extended itself to every thing that he read, and every thing he did that was susceptible of it. He never read a book with-

without determing in his own mind when he would finish it. Had he a work to transcribe, he would fix a time for its completion. This habit increased upon him as he grew in years, and his diary was kept upon the plan I have before described, till within a few days of his death.

To the regularity and variety of his studies, must be added a considerable degree of Mechanical contrivance, which greatly facilitated the execution of many of his compositions. It was however most apparent in his laboratory, and displayed in the simplicity and neatness of his apparatus, which was the great cause of the accuracy of his experiments, and of the fair character which he acquired as an experimental chemist. This was the result in the first instance of a necessary attention to œconomy in all his pursuits, and was afterwards continued from choice, when the necessity no longer existed. I return from this digression which I thought necessary to give the reader a general view of my father's occupations, and his manner of spending his time, to the circumstances attending the remaining years of his life.

At his first settling at Northumberland, there was

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no house to be procured that would furnish him with the conveniencies of a library and laboratory in addition to the room necessary for a family. Hence in the beginning of the year 1795, being then fixed in his determination to move no more, he resolved upon building a house convenient for his pursuits. During the time the house was building, he had no convenience for making experiments more than a common room afforded, and he was thereby prevented from doing much in this way. Still, he ascertained several facts of importance in the year 1795 on the Analysis of Atmospheric Air, and also some in continuation of those on the generation of air from water.

He had however leisure and opportunity for his other studies and in 1795 he published observations on the increase of infidelity and he continued his Church History from the fall of the Western Empire to the reformation.

In the spring of 1796 he spent three months at Philadelphia and delivered there a set of discourses on the Evidences of Revelation, which he composed with a view to counteract the effect produced by the writings of unbelievers, which, as might be expected,

was

was very great in a country where rational opinions in religion were but little known, and where the evidences of revelation had been but little attended to. It was a source of great satisfaction to him, and what he had little previous reason to expect, that his lectures were attended by very crowded audiences, including most of the members of the congress of the United States at that time assembled at Philadelphia, and of the executive officers of the government. These discourses which, in a regular and connected series, placed Christianity, and the evidences of its truth, in a more clear and satisfactory point of view than it had been usually considered in this country, attracted much attention, and created an interest in the subject which there is reason to believe has produced lasting effects. My father received assurances from many of the most respectable persons in the country, that they viewed the subject in a totally different light from what they had before done, and that could they attend places of worship, where such rational doctrines were inculcated, they should do it with satisfaction.

As my father had through life considered the office of a Christian minister as the most useful and honourable of any, and had always derived the greatest satisfac-

satisfaction from fulfilling its duties, particularly from catechizing young persons, the greatest source of uneasiness therefore to him at Northumberland was, that there was no sufficient opportunity of being useful in that way. Though he was uniformly treated with kindness and respect by the people of the place, yet their sentiments in religion were so different from his own, and the nature and tendency of his opinions were so little understood, that the establishment of a place of unitarian worship perfectly free from any calvinistic or Arian tenet, was next to impossible. All therefore that he could do in that way was, for the two or three first years, to read a service either at his own or at my house, at which a few (perhaps a dozen) English persons were usually present, and in time, as their numbers increased he made use of a school room near his house, where from twenty to thirty regularly attended, and among them some of the inhabitants of the place, who by degrees began to divest themselves of their prejudices with respect to his opinions. However small the number of persons attending, he administered the Lord's supper, a rite upon which he always laid particular stress.

In the Autumn of 1795 he had the misfortune to lose

lose his youngest son, of whom being much younger than any of his other children, and having entertained the hopes of his succeeding him in his Theological and Philosophical pursuits he was remarkably fond. He felt this misfortune the more severely as it was the first of the kind he had experienced, and particularly as it had a visible effect upon my mother's health and spirits. He was however so constantly in the habit of viewing the hand of God in all things, and of considering every occurrence as leading to good, that his mind soon recovered its accustomed serenity, and his journey to Philadelphia mentioned above and the success which attended his first exertions in the cause of, what he deemed, pure and genuine christianity, led him to look forward with cheerfulness to the future, and gave him an energy in his pursuits, which was never exceeded in any part of his life. It was the same habit of viewing God as the author of all events, and producing good out of seeming evil, that enabled him to support himself so well under the greatest affliction that could possibly have befallen him, viz. the loss of his wife, my mother; who through life had been truly a help meet for him; supporting him under

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all his trials and sufferings with a constancy and perseverance truly praise worthy, and who as he himself, in noting the event in his diary, justly observes, "was of a noble and generous mind and cared much for others and little for herself through life."

In the period between the above very afflicting events, though his conveniences for experimenting were not increased, owing to his house, and particularly his laboratory not being finished, he wrote a small treatise in defence of the doctrine of Phlogiston, addressed to the Philosophers in France. He likewise composed a second set of discourses of a similar kind to those delivered in Philadelphia the preceding winter. He preached and printed a sermon in defence of Unitarianism, and printed the first set of discourses, he compleated his Church History; he made additional observations on the increase of infidelity chiefly in answer to Mr. Volney; and drew up an Outline of all the Evidences in favour of Revelation.

In the spring of 1797 he again spent two or three months in Philadelphia, and delivered a second set of discourses, but partly from the novelty of the thing being done away, partly from the prejudices that be-

gan to be excited against him on account of his supposed political opinions, (for high-toned politics began then to prevail in the fashionable circles) and partly owing to the discourses not being so well adapted for a public audience, though necessary to set the comparative excellence of Christianity in its true light, they were but thinly attended in comparison to his former set. This induced him to give up the idea of preaching any more regular sets of discourses. He however printed them, as likewise a sermon he preached in favour of the Emigrants. He also composed at this time a third and enlarged edition of his Observations on the increase of infidelity, a controversy with Mr. Volney, a tract on the Knowledge of a Future state among the Hebrews, which, with the works he composed the year before, he printed as he found means and opportunity. He revised his Church History, began his Notes on the Scriptures, and his Comparison of the Institutions of Moses with those of the Hindoos.

Towards the end of 1797 and not before, his library and laboratory were finished. None but men devoted to literature can imagine the pleasure he derived from being able to renew his experiments with

every

every possible convenience, and from having his books once more arranged. His house was situated in a garden, commanding a prospect equal, if not superior, to any on the river Susquehanna, so justly celebrated for the picturesque views its banks afford. It was a singularly fortunate circumstance that he found at Northumberland several excellent workmen in metals, who could repair his instruments, make all the new articles he wanted in the course of his experimenting, as well as, he used to say, if not in some respects better than, he could have got them done in Birmingham; and in the society of Mr. Frederick Antis, the brother of Mr. Antis in England, and uncle of Mr. Latrobe the engineer, he derived great satisfaction. Mr. Antis was a man of mild and amiable manners, he possessed a very good knowledge of Mechanics the result of his own observation and reflection, and a fund of knowledge of many things which my father frequently found useful to resort to. The situation of Northumberland became abundantly more convenient than it was when he first came to the place. From there being no regular public post, there was now established a post twice a week to Philadelphia, and answers could be

received to letters within a week, and the communication so much increased between the two places, that the price of the carriage of goods was reduced from 11*s*.-3*d*. to 6*s*. per Cwt. the distance being 132 miles.

Thus conveniently situated, he resumed the same kind of life he led at Birmingham, experimenting the greater part of the day, the result of which he published in the Medical repository of New-York. Having compleated his Church History, he finished his Comparison of the Institutions of Moses with those of the Hindoos. He likewise proceeded as far as Leviticus in the design he had formed of writing Notes on all the books of Scripture, and made some remarks on the origin of all religions by Dupuis, but the greater part of the time that he spent in theology this year, was employed in recomposing the Notes on the New-Testament, which were destroyed at the riots.

In the course of the year 1799, he finished his Notes on all the books of Scripture, he published his Comparison of the Institutions of Moses with those of the Hindoos, he likewise printed his Defence of the doctrine of Phlogiston above mentioned, and the

greater

greater part of each day in the summer was employed in making the additional experiments he had projected.

It was in the year 1799, during Mr. Adams's administration, that my father had occasion to write any thing on the subject of politics in this country. It is well known to all his friends, that politics were always a subject of secondary importance with him. He however took part occasionally in the conversations on that subject; which every person has a right to do, and which, about the time my father left England, no person could avoid doing, as the subject engrossed so large a part of the conversation in almost every company. He always argued on the side of liberty. He was however in favour only of those changes that could be brought about by fair argument, and his speculations on the subject of British politics did not go further than a reform in Parliament, and no way tended, in his opinion, to affect the form of government, or the constitution of the kingdom, as vested in Kings, Lords and Commons. He used frequently to say, and it was said to him, that though he was an Unitarian in Religion he was in that country a Trinitarian in politics.

When he came to America, he found reason to change his opinions, and he became a decided friend to the general principles and practice of a compleatly representative government, founded upon universal suffrage, and excluding hereditary privileges, as it exists in this country. This change was naturally produced by observing the ease and happiness with which the people lived, and the unexampled prosperity of the country, of which no European, unless he has resided in it some time, and has observed the interior part of it, can be a competent judge. But with respect to England, he still remained anxious for its peace and prosperity, and though he had been so hardly used, and though he considered the administration of the country, if not instigating at least conniving at the riots, no resentment existed in his breast against the nation. In his feelings he was still an Englishman. Though he might speculatively consider that the mass of evil and misery had arisen to such a height in England, and in other European countries, that there was no longer any hope of a peaceable and gradual reform, yet, considering at the same time that the great body of the people, like the Negroes in the West-Indies,

were

were unprepared for the enjoyment of liberty in its full extent, and contemplating the evils necessarily attendant upon a violent change, he dreaded a revolution.

With respect to America he had never interfered publicly in politics, and never wrote an article that could be considered in that light in any respect, except one published in a newspaper called the *Aurora*, signed a *Quaker in Politics*, published on the 26th and 27th of February, 1798, and entitled Maxims of Political Arithmetic,* and so little did he interest himself in the politics of this country, that he seldom if ever perused the debates in Congress, nor was he much acquainted with any of the leading political characters except three or four, and with these he never corresponded but with Mr. Adams prior to his being chosen president, and Mr. Jefferson. He never was naturalized, nor did he take part directly or indirectly in any election. He persevered in the same sentiments even when he was under reasonable apprehension that he should be banished

* See Appendix, No. IV.

nished as an Alien: and though he advised his sons to be naturalized, saying it was what was daily done by persons who could not be suspected of wishing any ill to their native country, yet he would not; but said, that as he had been born and had lived an Englishman, he would die one let what might be the consequence.

About the year 1799, the friends of liberty in America were greatly alarmed by the advancement of principles disgraceful to America, and by a practice less liberal in many respects than under the monarchical form of the British government. Nothing else was the subject of conversation and my father who though never active in politics, at the same time never concealed his sentiments, uttered them freely in conversation, and they were of course opposed to the proceedings of the administration at the time. Added to this Mr. Thomas Cooper formerly of Manchester, and who at that time had undertaken for a short period, at the request of the printer, to edit a newspaper then printed at Northumberland, had published some very severe strictures on the conduct of the administration, which were soon after published in a pamphlet, under the title of Political Essays.

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By many my father might be ignorantly supposed as the prompter on the occasion, as Mr. Cooper lived at that time with my father, and by those who knew better, it was made the ostensible ground of objection to my father, to conceal the real one. In truth he saw none of the essays until they were printed, nor was he consulted by Mr. Cooper upon any part of them. The consequence was, that all the bigotry and party zeal of that violent period was employed to injure him, and misrepresent his words and actions. He was represented as intriguing for offices for himself and his friend, and as an enemy to the government which they said protected him, while men who were themselves but newly naturalized, or the immediate descendants of foreigners, bestowed upon him the epithet of Alien, an epithet then used by the government party as a term of reproach, though the country was principally indebted to the capital, industry and enterprize of foreigners for the many improvements then carrying on. Such was the effect of all these slanderous reports, and such was the character of the administration, that it was intimated to my father, from Mr. Adams himself, that he wished he would abstain from saying any

any thing on politics, lest he should get into difficulty. The Alien law which was passed under that administration, was at that time in operation, and a man without being convicted of, or even positively charged with, any offence, might have been sent out of the country at a moment's warning, not only without a trial, but without the right of remonstrance. It was likewise hinted to my father as he has himself stated, that he was one of the persons contemplated when the law was passed, so little did they know of his real character and disposition. This occasioned my father to write a set of letters to the inhabitants of Northumberland; in which he expressed his sentiments fully on all the political questions at that time under discussion. They had the effect of removing the unfavourable impressions that had been made on the minds of the liberal and candid, and procured him many friends. Fortunately however the violent measures then adopted produced a compleat change in the minds of the people, and in consequence of it in the representation, proving by the peaceableness of it, the excellence of this form of government, and proving also that my father's sentiments, as well as Mr. Cooper's, were approved of by nine tenths of the people of the United States.

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It is but justice however to mention that in the above remarks which have been made to represent my father's political character in its true light, and to account for his writing on the subject of politics, I do not mean to reflect on all the federalists. and that though my father considered them all as in error, yet he acknowledged himself indebted to many of that party for the most sincere marks of friendship which he had received in this country, and that not only from his opponents in politics, but likewise from many of the principal clergymen of various denominations in Philadelphia, and particularly during his severe illness in that city, when party spirit was at the highest, it being at the time of Mr. Jefferson's first election to the presidency.

As my father has given an account of those friends to whose kindness and generosity he was principally indebted from the commencement of his literary career, to the time of his coming to America, I think it my duty to follow his example, and to make on his part those acknowledgements which had he lived, he would have taken pleasure in making himself. To the Revd. Theophilus Lindsey, independent of the many marks of the most sincere friendship, which he was constant-

constantly receiving, he was occasionally indebted for pecuniary assistance at times when it was most wanting. Independent of 50 £. per annum, which Mrs. Elizabeth Rayner allowed him from the time he left England, she left him by her will £. 2000 in the 4 per cents. Mr. Michael Dodson who is well known as the translator of Isaiah left him £. 500, and Mr. Samuel Salte left him 100 £. The Duke of Grafton remitted him aunually 40 £. Therefore though his expences were far greater than he expected, and though his house cost him double the sum he had contemplated, the generosity of his friends made him perfectly easy in his mind with respect to pecuniary affairs; and by freeing him from all care and anxiety on this head contributed greatly to his happiness, and to his successful endeavours in the cause of truth. Besides these instances of friendly attention, the different branches of his family have been, in various ways, benefited, in consequence of the respect paid to my father's character, and the affectionate regard shewn by his friends to all who were connected with him.

But what gave my father most real pleasure was the subscription, set on foot by his friends in England,

to

to enable him to print his Church History, and his Notes on all the Books of Scripture. The whole was done without his knowledge, and the first information he received on the subject was, that there was a sum raised sufficient to cover the whole expence.

About the time he died, some of his friends in England understood that he was likely to suffer a loss in point of income of £. 200 per annum. Without any solicitation, about forty of them raised the sum of £. 450, which was meant to have been continued annually while he lived. He did not live to know of this kind exertion in his favour. It is my duty however to record this instance of generosity, and I do it with pleasure and with gratitude. It likewise proves that though my father by the fearless avowal of his opinions created many enemies, yet that the honesty and independence of his conduct procured him many friends.

The first years subscription has been transmitted to America, to defray the expence of publishing his posthumous works.

In the year 1800 he was chiefly employed in experiments, and writing an account of them for various publica-

publications. In this year also he published his treatise in defence of Phlogiston, he revised his Church History, the two first volumes of which are now reprinted with considerable additions, and he added to and improved his Notes on the Scriptures.

He spent some time in the spring of 1801 in Philadelphia, during his stay there he had a violent attack of fever which weakened him exceedingly, and from the effects of which he never perfectly recovered. Added to this the fever and ague prevailed at Northumberland and the neighbourhood, for the first time since his settlement at the place. He had two or three attacks of this disorder; which though they were not very severe, as he had never more than three fits at a time, retarded his recovery very much. He perceived the effect of his illness in the diminution of his strength, and his not being able to take as much exercise as he used to do. His spirits however were good, and he was very assiduous in making experiments, chiefly on the pile of Volta, the result of which he sent an account of to Nicholson's Journal and the Medical Repository.

In 1802 he began to print his Church History, in consequence of the subscription raised by his friends

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in England as before stated. Besides printing three volumes of that work, he wrote and printed a treatise on Baptism, chiefly in answer to the observations of Mr. Robinson on the subject. He likewise made some experiments, and replied to some remarks of Mr. Cruikshank in defence of the Antiphlogistic theory.

I am now to describe the last scene of his life, which deserves the reader's most serious consideration, as it shews the powerful effect of his religious principles. They made him, not resigned to quit a world in which he no longer had any delight, and in which no hope of future enjoyment presented itself, but chearful in the certainty of approaching dissolution, and under circumstances that would by the world in general have been considered as highly enviable. They led him to consider death as the labourer does sleep at night as being necessary to renew his mental and corporeal powers, and fit him for a future state of activity and happiness. For though since his illness in Philadelphia in 1801 he had never recovered his former good state of health, yet he had never been confined to his bed a whole day by sickness in America until within two days of his death

death, and was never incapacitated for any pursuit that he had been accustomed to. He took great delight in his garden, and in viewing the little improvements going forward in and about the town. The rapidly increasing prosperity of the country, whether as it regarded its agriculture, manufactures, and commerce, or the increasing taste for science and literature, were all of them to him a source of the purest pleasure. For the last four years of his life he lived under an administration, the principles and practice of which he perfectly approved, and with Mr. Jefferson, the head of that administration, he frequently corresponded, and they had for each other a mutual regard and esteem. He enjoyed the esteem of the wisest and best men in the country, particularly at Philadelphia, where his religion and his politics did not prevent his being kindly and cheerfully received by great numbers of opposite opinions in both, who thus paid homage to his knowledge and virtue. At home he was beloved; and besides the advantages of an excellent library, to which he was continually making additions, and of a laboratory that was amply provided with every thing necessary for an experimental chemist,

mist, he was perfectly freed, as he had happily been through life, in consequence of my mother's ability and attention, from any attention to worldly concerns; considering himself, as he used to express himself, merely as a lodger, having all his time to devote to his theological and philosophical pursuits. He had the satisfaction of witnessing the gradual spread of his religious opinions, and the fullest conviction that he should prevail over his opponents in chemistry. He looked forward with the greatest pleasure to future exertions in both these fields, and had within the last month or six weeks been projecting many improvements in his apparatus, which he meant to make use of upon the return of warm weather in the spring. Notwithstanding, therefore, the many trials he underwent in this country, he had still great sources of happiness left, unalloyed by any apprehension of any material defect in any of his senses, or any abatement of the vigour of his mind. Consistent with the above was his declaration that, excepting the want of the society of Mr. L. Mr. B. and two or three other particular friends, which however was made up to him, in some, though in a small degree by their regular correspondence, he

had never upon the whole spent any part of his life more happily, nor, he believed, more usefully.

The first part of his illness, independent of his general weakness, the result of his illness in Philadelphia in 1801, was a constant indigestion, and a difficulty of swallowing meat or any kind of solid food unless previously reduced by mastication to a perfect pulp. This gradually increased upon him till he could swallow liquids but very slowly, and led him to suspect, which he did to the last, that there must be some stoppage in the œsophagus. Latterly he lived almost entirely upon tea, chocolate, soups, sago, custard puddings, and the like. During all this time of general and increasing debility, he was busily employed in printing his Church History, and the first volume of the Notes on Scripture; and in making new and original experiments, an account of which he sent to the American Philosophical Society in two numbers, one in answer to Dr. Darwin's observations on Spontaneous generation, and the other on the unexpected conversion of a quantity of the marine acid into the nitrous. During this period, likewise, he wrote his pamphlet of Jesus and Socrates compared, and re-printed his

Essay

Essay on Phlogiston. He would not suffer any one to do for him what he had been accustomed to do himself; nor did he alter his former mode of life in any respect, excepting that he no longer worked in his garden, and that he read more books of a miscellaneous nature than he had been used to do when he could work more in his laboratory, which had always served him as a relaxation from his other studies.

From about the beginning of November 1803, to the middle of January 1804, his complaint grew more serious. He was once incapable of swallowing any thing for near thirty hours; and there being some symtoms of inflammation at his stomach, blisters were applied, which afforded him relief; and by very great attention to his diet, riding out in a chair when the weather would permit, and living chiefly on the soft parts of oysters, he seemed if not gaining ground, at least not getting worse; and we had reason to hope that if he held out until spring as he was, the same attention to his diet with more exercise, which it was impossible for him to take on account of the cold weather, would restore him to health. He, however, considered his life as very

precarious, and used to tell the physician who attended him, that if he could but patch him up for six months longer he should be perfectly satisfied, as he should in that time be able to complete printing his works. The swelling of his feet, an alarming symptom of general debility, began about this time.

To give some idea of the exertions he made even at this time, it is only necessary for me to say, that besides his miscellaneous reading, which was at all times very great, he read through all the works quoted in his comparison of the different systems of the Grecian Philosophers with christianity, composed that work, and transcribed the whole of it in less than three months. He took the precaution of transcribing one day in long hand what he had composed the day before in short hand, that he might by that means leave the work complete as far as it went, should he not live to complete the whole. During this period he composed in a day his second reply to Dr. Linn.

About this time he ceased performing divine service, which he said he had never before known himself incapable of performing, notwithstanding he had been

been a preacher so many years. He likewise now suffered me to rake his fire, rub his feet with a flesh-brush, and occasionally help him to bed. In the mornings likewise he had his fire made for him, which he always used to do himself, and generally before any of the family was stirring.

In the last fortnight in January he was troubled with alarming fits of indigestion; his legs swelled nearly to his knees, and his weakness increased very much. I wrote for him, while he dictated, the concluding section of his New Comparison, and the Preface and Dedication. The finishing this work was a source of great satisfaction to him, as he considered it as a work of as much consequence as any he had ever undertaken. The first alarming symptom of approaching dissolution was his being unable to speak to me upon my entering his room on Tuesday morning the 31st of January. In his Diary I find he stated his situation as follows: "Ill all day—Not able to speak for near three hours." When he was able to speak he told me he had slept well, as he uniformly had done through the whole of his illness; so that he never would suffer me, though I frequently requested he would do it, to sleep in the

same room with him; that he felt as well as possible; that he got up and shaved himself, which he never omitted doing every morning till within two days of his death; that he went to his laboratory, and then found his weakness very great; that he got back with difficulty; that just afterward his grand-daughter, a child of about six or seven years old, came to him to claim the fulfilment of a promise he had made her the evening before, to give her a fivepenny bit. He gave her the money, and was going to speak to her, but found himself unable. He informed me of this, speaking very slowly a word at a time; and added, that he had never felt more pleasantly in his whole life than he did during the time he was unable to speak. After he had taken his medicine, which was bark and laudanum, and drank a bason of strong mutton broth, he recovered surprizingly, and talked with cheerfulness to all who called upon him, but as though he was fully sensible that he had not long to live. He consented for the first time that I should sleep in the room with him.

On Wednesday, February 1, he writes, "I was at times much better in the morning: capable of some business: continued better all day." He

spake

spake this morning as strong as usual, and took in the course of the day a good deal of nourishment with pleasure. He said, that he felt a return of strength, and with it there was a duty to perform. He read a good deal in Newcome's Translation of the New Testament, and Stevens's History of the War. In the afternoon he gave me some directions how to proceed with the printing his work in case he should die. He gave me directions to stop the printing of the second volume, and to begin upon the third, that he might see how it was begun, and that it might serve as a pattern to me to proceed by.

On Thursday, the 2d, he wrote thus for the last time in his Diary: "Much worse: incapable of business: Mr. Kennedy came to receive instructions about printing in case of my death." He sat up, however, a great part of the day, was cheerful, and gave Mr. Cooper and myself some directions, with the same composure as though he had only been about to leave home for a short time. Though it was fatiguing to him to talk, he read a good deal in the works above mentioned.

On Friday he was much better. He sat up a

good part of the day reading Newcome; Dr. Disney's Translation of the Psalms; and some chapters in the Greek Testament, which was his daily practice. He corrected a proof-sheet of the Notes on Isaiah. When he went to bed he was not so well: he had an idea he should not live another day. At prayer-time he wished to have the children kneel by his bedside, saying, it gave him great pleasure to see the little things kneel; and, thinking he possibly might not see them again, he gave them his blessing.

On Saturday, the 4th, my father got up for about an hour while his bed was made. He said he felt more comfortable in bed than up. He read a good deal, and looked over the first sheet of the third volume of the Notes, that he might see how we were likely to go on with it; and having examined the Greek and Hebrew quotations, and finding them right, he said he was satisfied we should finish the work very well. In the course of the day, he expressed his gratitude in being permitted to die quietly in his family, without pain, with every convenience and comfort he could wish for. He dwelt upon the peculiarly happy situation in which it had pleased the Divine Being to place him in life; and the great advantage

vantage he had enjoyed in the acquaintance and friendship of some of the best and wisest men in the age in which he lived, and the satisfaction he derived from having led an useful as well as a happy life.

On Sunday he was much weaker, and only sat up in an armed chair while his bed was made. He desired me to read to him the eleventh chapter of John. I was going on to read to the end of the chapter, but he stopped me at the 45th verse. He dwelt for some time on the advantage he had derived from reading the scriptures daily, and advised me to do the same; saying, that it would prove to me, as it had done to him, a source of the purest pleasure. He desired me to reach him a pamphlet which was at his bed's head, Simpson on the Duration of future Punishment. "It will be a source of satisfaction to you to read that pampnlet," said he, giving it to me, "It contains my sentiments, and a belief in them will be a support to you in the most trying circumstances, as it has been to me. We shall all meet finally: we only require different degrees of discipline, suited to our different tempers, to prepare us for final happiness." Upon Mr. —— coming into his room, he said, "You see, Sir, I am still living."

Mr.

Mr. —— observed, he would always live. "Yes," said he, "I believe I shall; and we shall all meet again in another and a better world." He said this with great animation, laying hold on Mr. ——'s hand in both his.

Before prayers he desired me to reach him three publications, about which he would give me some directions next morning. His weakness would not permit him to do it at that time.

At prayers he had all the children brought to his bed-side as before. After prayers they wished him a good night, and were leaving the room. He desired them to stay, spoke to them each separately. He exhorted them all to continue to love each other. "And you, little thing," speaking to Eliza, "remember the hymn you learned; 'Birds in their little nests agree,' &c. I am going to sleep as well as you: for death is only a good long sound sleep in the grave, and we shall meet again." He congratulated us on the dispositions of our children; said it was a satisfaction to see them likely to turn out well; and continued for some time to express his confidence in a happy immorality, and in a future state, which would afford us an ample field for the exertion of our faculties.

On

On Monday morning, the 6th of February, after having lain perfectly still till four o'clock in the morning, he called to me, but in a fainter tone than usual, to give him some wine and tincture of bark. I asked him how he felt. He answered, he had no pain, but appeared fainting away gradually. About an hour after, he asked me for some chicken broth, of which he took a tea-cup full. His pulse was quick, weak, and fluttering, his breathing, though easy, short. About eight o'clock, he asked me to give him some egg and wine. After this he lay quite still till ten o'clock, when he desired me and Mr. Cooper to bring him the pamphlets we had looked out the evening before. He then dictated as clearly and distinctly as he had ever done in his life the additions and alterations he wished to have made in each. Mr. Cooper took down the substance of what he said, which, when he had done, I read to him. He said Mr. Cooper had put it in his own language; he wished it to be put in his. I then took a pen and ink to his bed-side. He then repeated over again, nearly word for word, what he had before said; and when I had done, I read it over to him. "That is right; I have now done."

About

About half an hour after he desired, in a faint voice, that we would move him from the bed on which he lay to a cot, that he might lie with his lower limbs horizontal, and his head upright. He died in about ten minutes after we had moved him, but breathed his last so easy, that neither myself or my wife, who were both sitting close to him, perceived it at the time. He had put his hand to his face, which prevented our observing it."

The above account, which conveys but a very inadequate idea of the composure and chearfulnees of his last moments deserves the attention of unbelievers in general, particularly of Philosophical Unbelievers. They have known him to be zealous and active in the pursuit of Philosophical truths and to be ever ready to acknowledge any mistakes he may have fallen into. By the perusal of these Memoirs they have found that he gradually, and after much thought and reflection abandoned all those opinions which disgrace what is usually called christianity in the eyes of rational men and whose inconsistency with reason and common sense has most probably been the cause of their infidelity and of their total inattention to the evidences of christianity. These opinions he abandoned

doned, because he could not find them supported either in the Scriptures or in the genuine writings of the early christians. They must be sensible that the same desire for truth and the same fearless spirit of enquiry and the same courage in the open avowal of the most obnoxious tenets would have led him to have discarded religion altogether had he seen reason so to do, and there is little doubt but that he would have been subject to less obloquy by so doing than by exposing the various corruptions of christianity in the manner he did. They have seen however that in proportion as he attended to the subject his faith in christianity increased and produced that happy disposition of mind described in these Memoirs. The subject is therefore well deserving of their attention and they should be induced from so fair an example, and the weight due to my father's opinions, to make themselves fully acquainted with the arguments in favour of christianity before they reject it as an idle fable.

Many unbelievers have, no doubt, borne with great patience severe calamities; they have suffered death with great fortitude when engaged in a good cause, and many have courted death to serve their friends

friends or their country. It must however be allowed that there is no great merit in meeting death with fortitude when it cannot be avoided, and likewise that the above cases cannot be absolutely calculated upon, as there is no sufficient motive to account for their conduct. But upon a truly practical christian there is the greatest dependance to be placed for acting well in all the situations in which he may be found, his highest interest being connected with the performance of the greatest duties; and even supposing that many persons, who are not christians, from favourable circumstances attendant upon their birth and education, and from a naturally happy temperament of body and mind, may, and, it must be allowed do acquire a habit of disinterested benevolence and may in general be depended upon to act uniformly well in life, still the christian has a decided advantage over them in the hour of death, as to consider death as necessary to his entering upon a new and enlarged sphere of activity and enjoyment, is a privilege that belongs to him alone.

APPEN-

APPENDIX, NO. 1.

Of the discoveries in factitious Airs before the time of Dr. Priestley, and of those made by himself.

DR. PRIESTLEY has given a general though brief account* of what had been done by his predecessors in this department of experimental Philosophy, and Sir John Pringle in his discourse before the Royal Society on occasion of presenting Dr. Priestley with the Copley Medal in 1772† has entered expressly, and more fully into the history of pneumatic discoveries. The same subject was taken up about three years after by Mr. Lavoisier still more at large, in the introduction to his first Vol. of Physical and Chemical Essays, of which a translation was published by Mr. Henry of Manchester in 1776. It is unnecsssary to detail here what they have written on the history of these discoveries. It may

* In the beginning of his first vol. of experiments: it is an abridgment of Sir J. Pringle's discourse.

† Discourses p. 4.

may be observed that no mention is made by any of these gentlemen of an experiment of Mr. John Maud, in July 1736*, who procured (and confined) inflammable air from a solution of Iron in the vitriolic acid. Inflammable air had been procured from the White Haven coal mines, and exhibited to the Royal Society by Mr. James Lowther, but I do not recollect any notice of its having been collected from a solution of metals in acids, and its character ascertained before Mr. Maud's experiment; for Hales, though he procured both inflammable and nitrous air, did not examine their properties. But it is much more extraordinary that neither Sir John Pringle who was a Physician, or Mr. Lavoisier who was so much occupied under government, respecting the Theory of the formation, and the practice of manufacturing Saltpetre from Nitre beds, should not have known, or have noticed the five treatises of Mayow on chemical, phisiological and pathological subjects, published a century preceding. Ma-

yow

* Martyn's abridgment of the Philosophical transactions v. 9. p. 396. I think Maud's experiment in 1736 likely to have suggested those of Mr. Cavendish in 1766.

yow is quoted by Hales,* by Lemery,† and by Brown-

* Vegetable Statics v. 2. p. 234.

† Mem. de l' Acad. Royale 1717 p. 48. On ne dit pourtant point trop sous quelle forme ce nitre se contient dans l'air, et Mayou, Auteur Anglois et grand defenseur du Nitre-Aèrien voulant èclaircir cette difficultè, suppose l'air impregnè par tout d'une espece de nitre metaphysique, qui ne merite pas trop d'être refutè, quoi-qu'il l'ait cependant êtè suffisamment par Barchusen et par Schelhamer. Le fondement de l'opinion du Nitre aèrien, c'est comme le rapporte Mayou lui mème, qu'apres avoir enlevè à une terre tout le Nitre qu'elle contenoit, si on l'expose ensuite à l'air pendant un certain tems elle en reprend de nouveau: il est vrai que si l'observation ètoit parfaitement telle qu'elle vient d'être rapportèe, on auroit une plus grande raison qu'on n'en a, de supposer dans l'air une très-grande quantite de nitre, et de mettre sur le compte de ce nitre aerien un grand nombre d'effets auquels il n'a certainement aucune part.

The experiment of Lemery mentioned in Dr. Watson's Essay on Nitre, is in p. 54 of the Mem. de l'acad. royale for 1717 not for 1731.

It sometimes happens to men whose genius far transcends the level of their day, to be from that very circumstance neither understood nor believed by their contemporaries. Until the discoveries of modern chemistry, who would have given Sir Isaac Newton credit for his conjecture that the Diamond was an inflammable substance? The fact which Lemery sneers at, the reproduction of nitre in the earth, is established beyond contradiction by the authors quoted by Dr. Watson

Brownrigg,* but though they appear to have read his work, it is evident that they knew not how to appreciate, or to profit by it. Haller† also refers to

son (Chem. Ess. v. 1 p. 318—321) and in Bowle's account of the nitre earths in Spain, and in Andreossi's memoir on the Saltpetre of Egypt. Though it is far from improbable that after lixiviation these earths may again become gradually impregnated with putrefying animal or vegetable matter to serve for the future crops of nitre.

* Philosophical transactions v. 55 p. 232.

† Dr. Priestley in his preliminary account of the discoveries and theories on respiration (Exp. on air v. 3 p. 356. abridged edit.) quotes Haller's great work on Physiology. Haller quotes Mayow in three or four places; but it is no wonder the quotations did not strike Dr. Priestley with any curiosity to examine Mayow's book, for Haller certainly did not understand his theory. For instance Lib. 8. § 13. Nitrum aereum. Si ad verum sensum nitri aerei hypothesis revocata fuisset parum utique ab eà differt quam novissimè proposuimus. Nitrum quidem ipsum incautiosius olim Physiologi in aere obvolitare scripserunt, et ex pluviâ et nive colligi; idemque passim ex rupibus efflorescere (Sprat ex Henshaw p. 264 major cal. hum.) exque plantis et stercoribus educi (Fludd Niewentydt, 563-4. Mayow de nitro aereo. Lower de Corde c. 3. Thurston 52. 53. Besse Analyse tom 1 et en lettre en reponse à M. Helvet. 114.) id nitrum aiunt in pulmonibus ad sanguinem venire, et ab eo ruborem illum elegantem, et fermentationem (Mayow, Thurston penult. ess. T. 3 p. 265 et calorem sanguinis accedere aut vicissim sanguinem condensari.

Certainly

to him, and he is respectfully quoted by Blumenbach*: but his book nevertheless long remained in comparative obscurity. From their time Mayow has been neglected until his writings were noticed by Dr. Forster, in 1780,† and again announced

as

Certainly the id nitrum, is not Mayow's. M. Rosel seems first to have ascertained the existence of nitre in plants. A late experiment of Dr. Priestley's, of which he gave an account in a letter to Dr. Wistar, seems to make it probable that there may be nitre in snow.

* Blumenbach's Physiology, Caldwell's translation, Philadelphia, 1795. § 162. Speaking of the theories of animal heat, "But all these hypotheses are embarrassed with innumerable difficulties; whereas on the other hand the utmost simplicity, and an entire correspondence with the phenomena of nature combine in recommending and confirming that doctrine in which the lungs are considered as the focus or fire place where animal heat is generated, and the deplogisticated part of the air which we breathe as the fuel that supports the vital flame. That justly celebrated character Jo. Mayow sketched out formerly the leading traces and the first great outlines of this doctrine which in our times has been greatly improved, extended and farther elucidated by the labours of the illustrious Crawford."

Dr. Darwin however is certainly right in supposing that heat is evolved in many other processes of the animal economy, beside inspiration.

† See the translation of Scheele by Dr. John Reinhold Forster 1780 p. XIII.

In p.

as almost a discovery in the chemical world, by Dr. Beddoes in the year 1790. His doctrines touch so nearly on the subsequent discoveries of Priestley, Scheele, Lavoisier, Crawford, Goodwin, &c. that it seems absolutely necessary to discuss his pretensions, before those of his successors can be accurately admitted. As I am acquainted with Dr. Beddoes's pamphlet on Mayow, from the analytical review of it only, (V. vi.) and have no opportunity here of consulting it, I shall take up Mayow's book, and give an account of his tenets, from the work itself.

Two of Mayow's Essays, viz. de Respiratione and de Rachitide, appear to have been published at Leyden, in 1671, the author who died at the age of 34, being then 26 years old. The propositions which I have thought it necessary to extract from Mayow's work, (ed. of 1674, Oxford,) and which I shall insert, will give a concise, but faithful view of his discoveries

In p. 437 of v. 5 of the analytical review of Hopson's Chemistry, before Dr. Beddoes's account of Mayow in 1790 the latter is stated as the author of discoveries that might have given rise to the present system of pneumatic Chemistry.

coveries and conjectures in pneumatic Chemistry.* The abridgements of Beddoes and Fourcroy, I have no opportunity to consult, and as Mayow's book is far from being common, I have deemed it by no means an unnecessary labour to give the reader an opportunity of judging for himself, what is the precise extent of the claim, which the patrons of Mayow's reputation may fairly set up. It is also, of the more importance in a history of this subject, to notice the pretensions of this writer, as it appears that Boyle's experiments on artificial air, in his physico-mechanical experiments were not made until the year 1676 et seq. Though the first edition of that treatise repeatedly quoted by Mayow was in 1661. Mayow's experiments therefore ought to have been, and probably were known to Boyle at the publication of his last edition.†

The

* I believe Dr. Beddoes gives no more than the heads of each chapter and, a brief analysis of the contents. Dr. Beddoes in his remarks on Fourcroy's account of Mayow, Ann. de Chimie. No. 85, Nich. Jour. v. 3 quarto p. 108 states Mayow at the time of his death to have been only 27 and 28: but he was born in 1645 and died in 1679. Biog. Dict. 8vo. ed. of 1798.

† I do not find that Boyle quotes Mayow, though their labours in the

The following is an analysis of Mayow's essays, so far as relates to his chemical Philosophy.

CHAP. 1*st*. *Of Nitre.* The air is impregnated with a vital, igneous, and highly fermentative spirit of a nitro-saline nature. p. 1.

Nitre is a salt consisting of an acid and an alkaline part, as appears by the Analysis, and by the generation of nitre; for if this salt be deflagrated with sulphur, the acid spirit will fly off, and may be collected by means of a tubulated retort and a receiver: and so if it be deflagrated with tartar, the residuum will be equal in weight to the tartar employed, though much of that, is of a fœtid oily nature. This appears also from the composition of nitre, by the addition of spirit of nitre to an alcali, p. 2–4. The fixed part of nitre is obtained from the earth; pure

the same field were contemporary. But Boyle in his hidden qualities of the air published in 1674 has an observation that looks as if derived from Mayow. "And this undestroyed springiness of the air, with the necessity of fresh air to the life of hot animals, suggests a great suspicion of some vital substance if I may so call it, diffused through the air, whether it be a volatile nitre or rather some anonymous substance, sidereal or subterraneal, though not improperly of kin to that which seems so necessary to the maintenance of other flames."

pure earth being probably a compound of salt and sulphur. p. 8.

CHAP. 2d. *On the aereal and fiery spirit of nitre.* The air seems to contain an acid, as appears from the regeneration of vitriolic acid after the calcination of Vitriol, and from the rusting of steel filings in a moist air; p. 10. A component part of the acid of nitre, is derived from the air, which evidently contains something necessary to the support of flame. But this aereal pabulum of flame, is not air itself, for air remains when the confined taper is extinguished: nor is it as vulgarly supposed, the salt called nitre, p. 12. But that these fire-air particles exist also in nitre is evident, since this salt will support the combustion of sulphur in vacuo. Fill a tube with gunpowder slightly moistened, and it will burn out in vacuo, or with its mouth inverted over water. Hence the aereal part of nitre, is the same with the fire-air particles of the atmosphere, and is one component part of the acid spirit of nitre: the other being (like the fixed part) obtained from the earth, p. 17. 18. The fiery particles thus common to nitre and to the air, he denominates nitro-aereal. It is these that give causticity to spirit of

nitre, and occasion the red fumes observed in distilling it, p. 18. They do not take fire of themselves in nitre, because they are inveloped with moisture; but when combined with salt of tartar, and thrown on the fire in a dry state they inflame, p. 20.

CHAP. 3d. *Of the nature of the nitro-aereal and fiery spirit.* Fire he conceives to consist of these nitro-aereal particles set in violent motion by means of sulphureous bodies, in the cases of culinary fire: but by some other means, in the cases of the solar rays collected by a burning glass, and of the celestial fires. The corrosive and caustic nature both of fire and nitrous acid, seems to argue that it proceeds in both from the nitro-aereal particles they contain, 22–24. That fire is not of a sulphureous nature is evident, for nitre will not take fire in an ignited crucible; but oil thrown in, takes fire immediately. So if a piece of metal be held over a candle, the fire particles pass through the metal, but the sulphureous smoke adheres to the under side. p. 27.

That the heat occasioned by a burning glass, consists of these nitro-aereal particles is evident, for diaphoretic antimony may be made, either first by calcina-

calcination with a lens, or secondly, by the repeated affusion of nitrous acid, or thirdly, by the deflagration of nitre on the antimony. Diaphoretic antimony made by calcination, increases on weight,* by means of the nitro-aereal particles fixed in it by the process. p. 28. 29.

CHAP. 4*th*. *On the origin of acid liquors, and the earthy part of Spirits of nitre.* From p. 34, it appears that he knew nothing of the absorption and combination of his nitro-aereal particles in the vitriolic acid, during the combustion of sulphur, but explains the whole mechanically by the saline portion of the sulphur being broken down into minute pointed particles, by the violent attrition of the nitro-aereal particles, and so becoming fluid and sharpened. He seems too, not to know that the colcothar of martial vitriol is no component part of sulphur, p. 37. The same mechanical explana-

* It was first observed by John Rey in 1630 that metals calcined, gain weight by the absorption of air. See an account of his book by M. Bayen Journ. de Rozier 1775 v. 1 p. 48. There are also some experiments by Boyle that shew the accession of weight on the calcination of metals, but he does not seem aware of the theory. Shaw's Boyle, Fire and Flame weighed v. 2 p. 394, &c.

planation he applies to the formation of the ligneous acids, and to the impregnation of the caput mortuum or colcothar of vitriol, with fresh acid by exposure of air. In the succeeding paragraph, p. 39, he supposes that marchasite (martial pyrites) imbibes the nitro-aereal particles from the atmosphere, and thus acid is formed. In like manner he explains the formation of acids produced by fermentation, by the collision between the nitro-aereal, and the sulphureo-saline particles of the mass. p. 41. So also he supposes nitrous acid to be produced by the deten. tion of his nitro-aereal particles by the terrene saline particles found in the earth, p. 43. Hence he concludes generally, p. 43, that acid salts are formed from a saline basis brought into fusion or fluidity by the nitro-aereal part of the air: and sums up his theory of nitre, by stating it to be a triple salt, composed of nitro-aereal particles, united to a terrene basis forming the acid, which then unites to the fixed basis, supplied also by the earth.

CHAP. *5th. On Fermentation.* He gives in this chapter his theory of fermentation, as arising from the conflict of his nitro-aereal principle which he thinks may be termed mercury, and the sulphure-

ous

ous principle: evidently meaning by the latter, the Phlogiston of Stahl: and he states broadly, p. 60. that pure sulphur can never admit of accension, but by means of the nitro-aereal particles obtained from the atmosphere. The rest of his reasoning in this chapter, does not seem deserving of further notice.

CHAP. 6*th*. *On the nitro-aereal spirit as the cause of rigidity and elasticity.* These he explains by the fixation and state of his nitro-aereal particles in bodies endowed with these properties. In p. 69 he endeavours to account why boiled water freezes sooner than that which has not been boiled; a fact which Dr. Black has made the subject of a paper in the 45th vol. of the Philosophical transactions. But his reasonings throughout this chapter are not calculated to add to his reputation, or to the mass of knowledge of the present day.

CHAP. 7*th*. *The elastic force of the Air depends on its nitro-aereal particles. In what way exhausted air is reimpregnated with them. Of the elements of Heat and Cold.* This chapter contains experiments to shew that the elasticity of

of the air is owing to the nitro-aereal particles contained in it: which may be destroyed by the burning of a candle or other combustible substances, and also by the breathing of animals. When the atmospheric air contained in a glass jar inverted over water, will no longer support flame or animal life, the water rises in the jar, owing to the diminished elasticity of the air, not being able to counteract the pressure of the surrounding atmosphere on the water p. 100. He finds p. 101 that the diminution by burning a taper in a given quantity of the air, is about one thirtieth of the whole, and by the breathing of mice and other animals about one fourteenth. Thence he concludes p. 106 that by means of respiration the elastic part of the air enters into the blood, and that the sole use of the lungs is not as some suppose, to break down the blood in its passage into very minute particles. That combustion and respiration have similar effects on atmospherical air, he concludes, p. 108, from the fact, that a candle and a small animal inclosed together in a glass jar over water, the one will not burn, nor the other remain alive above half the time that they would if alone. Mayow however, did not consider

sider his nitro-igneous and elastic particles to be either pure air, or even a component part of the common air, as air, notwithstanding the ambiguity of the passages in p. 114 and 118; but as particles of a different nature, attached to and fixed in the atmospheric particles; and detached *(excussas)* by the means above mentioned, p. 118 and 121. His explanation of elasticity generally in this chap. and of the difficulty arising from the obvious resistance to the Atmosphere, and the expansibility of the air in which a taper has been extinguished, or an animal died, seem too obscure and unintelligible to merit transcribing. It is evident however upon the whole from p. 123 compared with p. 100 and 135 that he conceived the diminution of such air to arise from diminished elasticity, but he supposes it to be denser than common air 123. In a subsequent part of this chapter p. 128 et seq. he states his theory of the manner in which deteriorated air recovers its loss, viz. that the nitro-aereal particles being lighter than the atmospherical, float abundantly in the higher regions; and that the part of the atmosphere deprived of them below, being forced upward by the pressure of the atmosphere above, obtains a renewal

of

of these particles by mixture with the strata where they abound.

The element of fire, he supposes to reside in the body of the Sun, which is no other than a mass of nitro-aereal particles driven in perpetual gyration with immense velocity. Cold, which he considers as some thing positive (p. 130) he thinks consists in these particles assuming a pointed form, and moving not in gyration but strait forward. Much of his reasoning indeed throughout the book, savours greatly of the mechanical and corpuscular philosophy prevalent in his day.

CHAP. 8*th*. *On the nitro-aereal spirit as inspired by animals*. Formerly he thought that in respiration the nitro-aereal particles were rubbed or shaken off (*atterere*, *excutere* 146) from the common air by the action of the lungs, at present he thinks the air itself enters the mass of the blood, is there deprived of these particles, and of part of its elasticity. To prove this he produces an experiment of the diminution of air by the vapours from iron dissolved in nitrous acid: but the beautiful deductions of Dr. Priestley from a similar experiment, never occurred to him; on the contrary he expressly states that it

is

is an Aura, but not Air p. 145 and though afterward in chap. 9 p. 163, 164 he inclines to doubt, yet again in p. 168 he denies it that character.

In p. 146 he proceeds to state the uses of these nitro-aereal particles, which (147) he considers as the principle of life and motion both in animals and vegetables. By the mutual action of the nitro-aereal, with the sulphureo-saline particles contained in the blood, a fermentation is excited necessary to animal life, and to the warm fluid circulation of the blood (*ad sanguinis æstum.*) To these particles imbibed from the air, he attributes the difference in colour between the venous and arterial blood; and he shews this, from the numerous air bubbles arising in an exhausted receiver from warm arterial blood: but his experiment to illustrate the difference, from the colour produced by the nitrous acid with vol. alk. seems very little to the purpose p. 150.

To the fermentation arising from this mixture of nitro-aereal particles with the blood, he ascribes animal heat, and accounts satisfactorily for the increased heat of the body during strong exercise, from the more frequent inspirations occasioned by the exertion (p. 152, 306:) but his replies to the objections

of

of Dr. Willis, drawn from the phenomena of fermenting mixtures, are very inconclusive.

CHAP. 9*th*. *Whether air can be generated anew.* He repeats the experiment of dissolving iron in dilute nitrous acid, and finds that though some of the vapour be absorbed, a portion still remains uncondensible even by severe cold. On substituting dilute vitr. for nitr. acid he finds an aura which is hardly absorbed or condensed at all. Hence he doubts whether these auræ be not entitled to the appellation of air, especially as by subsequent experiment he shews that they are equally expansible with common air. In making this last experiment he exhibits the method of transferring air from one vessel to another (Tab. 5. Fig. 5.) much in the manner afterwards described by Mr. Cavendish in 1766.* From the inability of these auræ to support animal life (Tab. 5. Fig. 6.) he concludes finally that they are not air, though not very dissimilar p. 171. The succeeding five chapters do not seem to contain any facts or conjectures that can add to Mayow's reputation. His

* Boyle had invented an apparatus for transferring air from one receiver of an air-pump to another, but not under water.

His Hypotheses are completely superceded by the more accurate knowledge of the present day. In his tract on quick lime p. 225 he seems to have forestalled the acidum pingue of Dr. Meyer published exactly a century afterward. It may be noted that in his treatise on the Bath waters p. 259, he describes fishes as collecting vital air from the water, and respiring like land animals. (Aereum aliquod vitale ab aquâ, veluti aliàs ab aurâ secretum et in cruoris massam trajiciatur.) The air bladder he considers rather as a reservoir of air to be inspired, than a receptacle for excreted air; though the latter opinion is made probable by Dr. Priestley.*

The first part of his *Treatises on Respiration* is is chiefly anatomical. In p. 300 et seq. he states more fully his opinion, that vital air, is of a nitro-saline nature: that it is the principle of life, both in Animals and Vegetables: that combined with the sulphureo-saline particles in the blood, it is the stimulus to the muscular fibre, and of course to the heart

* See Nich. Journ. v. 3 p. 119 on the probability of fishes separating oxygen from the water they inhabit.

heart as a muscle, p. 305; but that the fermentation occasioned by the introduction of these particles into the blood, is not confined to the left ventricle of the heart, but commences, in the passage of the blood through the lungs, and continues in the Arteries. This evidently approaches the theory, advanced by Dr. Goodwyn in his tract on the Connection of life with respiration about sixteen years ago, viz. that the pure air combined with the blood is the stimulus to the left ventricle of the heart, and produces the alternate contraction, and dilation on which the circulation depends. Dr. Lower, in his treatise de motu sanguinis, and Fracassati, and Dr. Frederick Slare attributed the change of the colour of venous blood into a florid red, to the combination of the air with it. Lower I believe preceded Mayow, who quotes him, p. 148; the date of Fracassati's and Dr. Slare's observations I have not been able to ascertain, but they must have been near the time of Mayow. Lowth. Ab. v. iii. p. 237.

In his third treatise on respiration, he explains the Animal œconomy of the fœtus in utero, by suggesting that the fœtus is supplied by the placenta, not with

with venous, but with arterial blood brought by the umbilical Arteries; so that the required stimulus of the nitro-aereal particles being thus conveyed, supercedes the necessity of the lungs for the purpose. This he ingeniously illustrates by the known experiment, that a dog into whom arterial blood is infused, though respiring with great difficulty before, hardly respires at all. A similar theory he applies to the life of the chick in ovo. This treatise seems to have suggested Dr. Beddoes's illustration of his theory of consumption from the state of pregnancy.

In a subsequent Essay on animal spirits, he conceives them to be, if not the same with the nitro-aereal part of the atmosphere, yet to consist of this, so far as they are necessary to the production of muscular motion, which he attributes entirely as before to nitro-aereal particles, p. 24 and 40, of chap. 4, on the animal spirits.

I do not observe any thing else in Mayow's book worth noting on the present occasion; or sufficiently connected with pneumatic Chemistry.

From the analysis thus given of* what Mayow has

* At the time this was written neither Dr. Bostock's treatise on respira-

has advanced, it appears, that he clearly comprehended the atmosphere to consist of a mixture of two parts, the one the efficient cause of life and of combustion, the other not of itself necessary to either.

That the vital part of the air, was also a constituent part of nitre, the effects of both being in essential particulars the same.*

That the vital part of the atmosphere entering the blood through the vessels in the lungs, is conveyed to the left ventricle of the heart, and becomes the stimulus to the contractions of that muscle, and is equally essential to the whole system of muscular contraction.

That

respiration or the books therein quoted p. 200 had arrived here. Nor have I had an opportunity of consulting the references there made to Prof. Robinson, Dr. Thompson, Dr. Yeates, or Fourcroy's account of Mayow.

* Mr. Ray wrote "A dissertation (in 1696) about respiration," in which he supposes the air to pass from the bronchia and lungs into the substance of the blood, and there (pabuli instar) it foments and maintains the vital flame which he supposes to be in the sulphureous parts of the blood, as the air foments the common flame of a candle, and that the nitre has nothing to do with it. See Durham's collection of Ray's letters.

That the vital part of the atmosphere thus combined with the blood becomes also the source of animal heat.

That this vital part is equally necessary to the fœtus in utero as to the adult, and that the use of the lungs in the former case is superceded by the functions of the umbilical artery and placenta; by means of which, blood already impregnated with the vital air, is conveyed to the fœtus.

That the respiration of fishes, is dependant on the particles of air mixed with watery element they inhabited.

That heat, flame, and combustion, depend on two universal principles, and the gentleness or violence of their mutual conflict: the one being a principle of inflammability universally diffused in combustible bodies, and the other the vital or igneous part of the atmosphere.

These propositions evidently touch upon the most brilliant of the pneumatic discoveries of the authors already quoted; and not a little extraordinary it is, that they should have remained so long unknown, unnoticed, and not understood.

The sulphur of Mayow is decidedly the Phlogis-

ton of Stahl; the fire air of the former is the fire air of Scheele, the dephlogisticated air of Priestley, and the Oxygen of Lavoisier.

The combination of oxygen with the blood by means of respiration, first discovered as was thought by Lavoisier, is clearly stated by Mayow; who has also forestalled the elaborate theories of Crawford on animal heat, of Goodwyn, on muscular stimulus, and of Beddoes on the succedaneum for respiration in the fœtus.

Boyle, though he must certainly have known of Mayow, neither quotes him, nor uses, or improves on his experiments; though as I have already remarked, he seems to have had notions of the atmosphere much like those adopted by Mayow. Whether this neglect arose from the pride of birth, or the pride of knowledge, or the pride of age, (for Boyle was almost twice the age of Mayow) or from jealousy of Mayow's abilities, cannot now be ascertained. From that time until Hales published his statics in 1726, pneumatic experiments were neglected, and the mathematical philosophy which Newton's discoveries rendered fashionable, absorbed for many years the attention of men of Science, particularly in England.

The

The way in which Lemery, Hales and Brownrigg speak of Mayow, evidently shews that his theories were not understood, nor his merits appreciated.

That Mayow was unknown to Black and Cavendish until of late years, is highly probable at least, if not absolutely certain. Neither these philosophers, nor Dr. Priestley, could have passed over Mayow's book, without being struck with his ideas, and publicly referring to them in their chemical works.

That Dr. Priestley was unacquainted with Mayow is certain, from the limited extent of his reading at the early period of his experiments (from 1770 to 1776 or 1777,) in books of chemistry and theoretic physiology: from Mayow, not being quoted by any of the writers whose works Dr. Priestley would be likely to consult except Hales and Brownrigg, and not by them in a manner to induce any farther curiosity: from their being unnoticed by Black, Cavendish, Sir. John Pringle, and Lavoisier, in particular: from the custom that Dr. Priestley had of acknowledging the sources of his ideas in all cases where they originated from the discoveries of others, as in his references to Hales, Brownrigg, Cavendish,

&c; and from his making no mention of Mayow in his express account of the labours of his predecessors on the subject of animal respiration. That both he and Sir John Pringle before the Royal Society in 1772 and 1776 should expressly treat the *history* of discoveries in which Mayow bore so distinguished a part, and omit noticing him altogether, had they known of his works, is incredible. It is evident that he was then an obscure writer, and not in repute, or he would have occurred to them; or some of their philosophical friends would have suggested the propriety of referring to his publications.

Neither is it likely that Scheele would have been acquainted with Mayow's writings, though it is singular that he escaped the notice of Lavoisier who I believe was employed under government in the collection of essays on the theory and manufacture of saltpetre and in the superintendance of the saltpetre works, especially as Mayow was mentioned though disrespectfully by Lemery, in his paper on nitre before referred to. But there certainly is no evidence that Lavoisier obtained his ideas of oxygen and its combination with the blood from Mayow, or his theory of metallic calcination from Jean Rey, though his

his obligations to Dr. Priestley have not been always acknowledged with the candour and liberality that men of science would expect from Lavoisier.

Mayow had more than ordinary discernment in comparing known facts, and drawing conclusions from them, but he does not appear to have had the talent of imagining decisive experiments, of varying them, of observing and noting all the natural phenomena attendant upon them, or sufficient industry in pursuing them. It is one thing to make a plausible conjecture, and another to verify it. Those alone are entitled to the honour of discoveries who not merely start the theory, but take the pains of pursuing it by experiments and resting it on the basis of well conceived and accurately ascertained facts, sufficiently numerous and varied to obviate the most prominent objections. Mayow has reasoned with great acuteness and conjectured with singular felicity, but he added little to the mass of philosophical KNOWLEDGE in his day. He composed and decomposed nitre and ascertained the existence of vital air in this substance as well as in the atmosphere, but he did not collect, exhibit, and examine it. He knew how to make artificial air from nitrous acid and iron, but all the

the extraordinary properties of this gas, remained unobserved by him as well as by others until collected and imprisoned by Dr. Priestley, and exposed to the question under his scrutinizing eye. Indeed as an experimentalist Dr. Priestley stands unrivalled. The multiplicity of his experiments, their ingenuity, their bearings upon the point in question, their general importance, and their fidelity, were never equalled upon the whole, before or since. Nor is it any detraction from their merit with those who are accustomed to experiment, that they hold out no pretensions to that suspicious accuracy, which has too often depended more upon arithmetical calculations than upon actual weight and measure. The many kinds of aeriform fluids discovered by Dr. Priestley, the many methods of procuring them, the skilfull investigation of their properties, the foundation he laid for the labours of others, the simplicity, the novelty, the neatness, and the cheapness of his apparatus, and his unequalled industry, have deservedly placed him at the head of pneumatic Chemistry. Nor should it be forgotten that while he thus outstripped his predecessors and contemporaries in the field of experiment, it formed not as with them

them the business of his life, but (among other branches of literature and philosophy successfully cultivated) the occupation of his leisure hours, the relaxation from what he deemed more important, more laborious, and more obligatory pursuits.

Before his time (excluding Mayow) Boyle had discovered that air might be generated, fatal to animal life. It was known that common air would only serve a certain time for the purposes of combustion and respiration. The mephitic exhalations from natural Grottoes had been remarked. Inflammable air both natural and artificial had been exhibited before the royal society. Hales had ascertained the presence of air in a great number of substances where it was not commonly suspected though he had not the skill to examine the properties of the air produced. Black had ascertained the presence of fixed air in limestone, and Brownrigg, Lane, and Venel had illustrated the theory of mineral waters. But it was the paper of Cavendish in 1766 on fixed and inflammable air produced from various substances by means of acids, fermentation and putrefaction, that first introduced a stile of experimenting in pneumatic chemistry, more neat, more precise, and scientific than had hitherto been known.

The

The attention of Dr. Priestley however to these subjects was not originally excited by the works of his predecessors, but by the *accident* of his proximity to a brew-house at Leeds, where of course fixed air (a subject that had attracted much attention about that time) would be produced in a large way. It was thus that one experiment led to another, until the fruits of his amusements were the discoveries on which his philosophical reputation is principally founded. It is no more than justice to his character to mention in this place, that of all men living he was the freest from literary deception and the vanity of authorship. He never claims the merit of profound investigation or great foresight, for discoveries that might easily have been so stated as if they had been the pure result of those qualifications, but which were in reality the offspring of accident and circumstance. He excites others to patient labour in the field of experiment, from observing that success does not depend so much on great abilities or extensive knowledge, as on patient attention, and perseverance; and that much of his own reputation was owing to the discovery of facts that arose in the course of his pursuits, the result of no previous theory, unlooked for

for and unexpected. In v. 3 p. 282 of his experiments on air he says "Few persons I believe have "met with so much unexpected good success as "myself in the course of my philosophical pursuits. "My narrative will shew that the first hints at least "of almost every thing that I have discovered of "much importance have occurred to me in this "manner. In looking for one thing I have general- "found another, and sometimes a thing of much "more value than that which I was in quest of. "But none of these unexpected discoveries appear "to me to have been so extraordinary as that I am "about to relate (viz. the spontaneous emission of "dephlogisticated air from water containing a green "vegetating matter) and it may serve to admonish "all persons who are engaged in similar pursuits, "not to overlook any circumstance relating to an "experiment, but to keep their eyes open to every "new appearance and to give due attention to it "however inconsiderable it may seem."* To this candour of disposition, and the readiness with which

* See also the 1st, vol. of his early edition of experiments on air p, 29.

which he acknowledged his mistakes and his oversights; even those who opposed his opinions bear honourable testimony. "The celebrated Priestley himself "(says M. Berthollet in his reply to Kirwan on "Phlogiston p. 124 of the Eng. translation) often "sets us the example, by rectifying the results of "some of his numerous experiments."

Numerous indeed those experiments were as well as important: far too numerous to be particularised here; though it may not be improper to call to the recollection of the reader some of the more interesting facts which we owe to Dr. Priestley, and the times of their discovery and communication.

The first of his *publications* on pneumatic chemistry was in 1772, announcing the method of impregnating water with fixed air, and on the preparation and medicinal uses of artificial mineral waters; a discovery that domesticated much of the knowledge that had heretofore been disclosed only in the works of learned societies; and that beautifully exemplified how much of the health and the pleasure of common life, might depend on the ingenious researches of men of science. Though this was the

first

first publication of Dr. Priestley on the chemistry of the airs, he had certainly commenced his experiments in this branch of Science, soon after his arrival at Leeds, and as early at least, as 1768. In the year 1771 he had already procured good air from saltpetre; he had ascertained the use of agitation, and of vegitation as the means employed by nature in purifying the atmosphere destined to the support of animal life, and that air vitiated by animal respiration was a pabulum to vegetable life; he had procured factitious air in a much greater variety of ways than had been known before, and he had been in the habit of substituting quicksilver in lieu of water, for the purpose of many of his experiments. In his paper before the Royal Society, in the spring of 1772, which deservedly obtained him the honour of the Copley Medal, he gives an account of these discoveries. In the same paper he announces the discovery of that singular fluid nitrous air,* and its beautiful

* Honestly referring to Dr. Hales and Mr. Cavendish for any idea that might have remotely led to this discovery (See Obs. on air 1st ed. v. 1 p. 108) the discovery however was completely his own.

Dr. Priestley seems always to have thought nitrous air as convenient

tiful application as a test of the purity or fitness for respiration of airs generally. In the same paper he shews the use of a burning lens in pneumatic experiments; he relates the discovery and properties of marine acid air; he adds much to the little of what had been heretofore known of the airs generated by putrefactive processes, and by vegetable fermentations, and he determines many facts relating to the diminution and deterioration of air, by the combustion of Charcoal, and the calcination of of metals.

Soon after this, in confirmation of Sir John Pringle's theory of intermittents and low fevers being generally owing to moist miasma when people are exposed to its influence, he ascertained by means of his

ent a substance for eudiometrical experiments as any of the later substitutes, viz: the liquid sulphurets and the combustion of phosphorus. The foundation of Mr. Davy's substitute, muriat or sulphat of iron saturated with nitrous air, was as Mr. Davy acknowledges first discovered by Dr. Priesley himself. See Nich. Journ. for Jan. 1802 p. 41. The different states of the solutions of iron in vitriolic acid have been ingeniously applied to the analysis of mixed gasses by Humboldt and Vauquelin.

his nitrous test that the air of marshes was inferior in purity to the common air of the atmosphere.*

He had obtained very good air from saltpetre in 1771, but his full discovery of dephlogisticated, air, seems not to have been made until June or July, 1774,† when he procured it from precipitate per se, and from red lead. This was publicly mentioned by him at the table of Mr. and Madame Lavoisier, at Paris, in October 1774, to whom the phenomena were until then unknown. The experiments on the production of dephlogisticated air, he made before the scientific chemists at Paris about the same time, at Mr. Trudaine's. This hitherto secret source of animal life and animal heat, of which Mayow had but a faint and conjectural glimpse, was certainly first exhibited by Dr. Priestley, and about the same time, (unknown to each other) by Mr. Scheele of Sweden. For the honour of science, it were much to be wished that the pretensions of Mr. Lavoisier were equally well founded. He has done sufficient and

* Phil. trans. v. 54 p. 92.

† See Doctrine of Phlog. established p. 119.

and been praised sufficiently for what he has done, to satisfy a mind the most avaricious of fame; he is deservedly placed in the first rank among the philosophers of his day, and he ought not to have thrown a shade over his well earned reputation, by claiming for himself the honour of those discoveries which he had learned from another.

From this brief account of the first stage of Dr. Priestley's chemical labours, it appears that during the short period of two years, he announced to the world more facts of real importance, and extensive application, and more enlarged and extensive views of the œconomy of nature, than all his predecessors in pneumatic Chemistry had made known before.

In 1776 his observations on respiration were read before the Royal Society; in which he clearly discovered that the common air inspired, was diminished in quantity, and deteriorated in quality, by the action of the blood on it *through the blood vessels of the lungs;* and that the florid red colour of arterial blood, was communicated by the contact of air through the containing vessels. His experiments on the change of colour in blood confined in a bladder, took away all doubt of the probability of this mode

mode of action. I cannot help thinking that the circumstance of Dr. Priestley's mind being so much occupied with the prevailing theory of Phlogiston, was the reason why he did not observe that the diminution of the air, and the florid colour of the arterial blood was owing to the absorption of the pure part of the atmosphere, *rather* than to any thing emitted from the blood itself. This part of the theory of respiration Mr. Lavoisier has certainly established; though it is by no means ascertained as yet whether the vital part of the atmosphere inspired, is wholly and alone absorbed, or whether in reality something is not contributed in the lungs to the formation of the fixed air found after expiration.*

In 1778 Dr. Priestley pursued his experiments on the property of vegetables growing in the light to correct impure air, and the use of vegetation in this part

* That azote is absorbed during respiration as Dr. Priestley supposed contrary to Mr. Lavoisier's opinion, is made extremely probable by the experiments of Mr. Davy, whose accuracy is well known. Researches, p. 434. The formation of water in this process, is certainly no more than conjecture as yet. Dr. Bostock has lately published a very useful and laborious history of discoveries relating to respiration, both anatomical and pneumatical.

part of the œconomy of nature. A discovery which was announced to several men of science in England previous to the publication of the same ideas by Dr. Ingenhouz.* Indeed from its having been communicated to M. Magellan whose pleasure and whose occupation it was, to give information of new facts to his philosophical correspondents, and of this in particular to Dr. Ingenhouz then engaged in similar researches, there is hardly a doubt but the latter knew of the experiments then pending on the subject by Dr. Priestley.

It is painful to notice these aberrations from propriety in the conduct of men highly respectable in the philosophical world, arising from an over anxious avarice of literary fame, and an improper jealousy of the reputation of another. Not that it derogates from the character of a philosopher to wish for the applause

* Doctrine of Phlogiston established, p. 107, et. seq. The theory of the amelioration of impure air by the absorption and excretion of vegetables growing in the light, has been doubted by Dr. Darwin in his Phytologia, and opposed by Count Rumford in a paper published in the transactions of the Royal Society, for 1787: also by Dr. Woodhouse of Philadelphia, Nicholson's Journal, for July 1802, and by Mr. Robert Harrup, Nicholson's Journal, for July 1803.

applause of those who know how to appreciate his merit, or who are benefited by his exertions; such an anxiety is laudable when it does not lead to encroachments on the literary rights of others; nor is it at all desireable under the present circumstances of human nature, to expect from men of science an attention to their pursuits arising from motives of pure benevolence alone, and excluding all views, hopes, and expectations of the gratifying tribute of public approbation. I believe no man ever laboured with a more single eye to public utility than Dr. Priestley. But consideration in society, and the respectability attendant upon great talents, and great industry, successfully employed for the benefit of mankind, is a motive to useful exertion so universal, so honest, so laudable, and withal so powerful, that it is the common interest, as well as the duty of society, to bestow it liberally where it has been earned faithfully, and to concede it to those only, who have really deserved this honourable reward.

From this period Dr. Priestley seems to have attended to his pneumatic experiments as an occupation; devoting to them a regular portion of his time. To this attention, among a prodigious variety of

facts tending to shew the various substances from which the gasses may be procured; the methods of producing them; their influence on each other, and their probable composition, we owe the discovery of vitriolic acid air, of fluor acid air, of vegetable acid air, of alkaline air, and of dephlogisticated nitrous air, or gazeous oxide of azote as it has been called, the subject of so many curious experiments by Mr. Davy. To these we may add the production of the various kinds of inflammable air by numerous processes that had escaped the observation of Mr. Cavendish; in particular the formation of it by the electric spark taken in oils, in spirits of wine and in alkaline air; the method of procuring it by passing steam through hot iron filings, and the phenomena of that hitherto undetermined substance the finery cinder, and its alliance to steel. To Dr. Priestley we owe the very fine experiment of reviving metallic calces in inflammable air and its absorption in toto, apparently at least, undecomposed. He first ascertained the necessity of water to the formation of the gasses, and the endless production of air from water itself.

Dr. Priestley's experiments on this subject, to wit:

wit: the generation of air from water, opened a new field for reflection, and deserves more minute notice. No theory has yet been proposed adequate to the explanation of the facts. He had before remarked that water was necessary to the generation of every species of air, but the unceasing product of air from water had never been before observed.

In his first set of experiments he procured air, by converting the whole of a quantity of water into steam: then, to obviate the objection to the water having imbibed air from the atmosphere he put the water on mercury in long glass tubes immersed in mercury: in a third process he used no heat, but merely took off the pressure of the atmosphere. In all these cases a bubble of air was extricated from the water, which being separated by inclining the tube, another bubble was again produced on each repetition of the experiment. That this could not be air imbibed from the atmosphere appeared from this, that though the first portions were generally purer than atmospheric air, the next became less pure, and at length wholly phlogisticated.

It did not appear that the addition of acids, enabled the water to yield more air, nor did he succeed.

ceed in attempting to convert the whole of a given quantity of water into air, although exposing the water confined over mercury to heat, and separating the air produced, it still continued to produce more air for twenty or thirty repetitions of the experiments. When a certain proportion of air was thus produced at any one time, no continuance of the experiment would encrease the quantity until it was separated. Hence he concludes that the longest continuance of of water in the state of vapour would not convert it into air. The water used was pure distilled water previously boiled to separate any adventitious air that might have been imbibed from the atmosphere. The precautions he used, and the replies to such objections as he foresaw the experiment would be liable to, are detailed in the papers he published on the subject, to wit, a separate pamphlet published in England in 1793, and a communication in the Am. Ph. trans. v. IV. p. 11—20.

In the last mentioned paper, he proceeds also to give an account of some experiments on the property of water to imbibe different kinds of air, and the conversion of sp. of wine, into inflammable air.

This paper inserted in the American transactions,

was

was read before that society in Feb. 1796. In Ap. 1800 another paper was read before the same society on the production of air by the freezing of water Am. Ph. trans. v. V. p. 36. In this paper he recapitulates the general result of his former experiments on the generation of air from water, namely "that after all "air had been extracted from any quantity of water "by heat or by taking off the pressure of the atmos- "phere, whenever any portion of it was converted "into vapour, a bubble of permanent air was formed, "and this was always phlogisticated. The process "with the Torricellian vacuum (he says) I continued "for some years and found the production of air "equable to the last. The necessary inference from "this experiment is, that water is convertible into "phlogisticated air, or that it contains more of this "air intimately combined with it than can be ex- "tricated from these processes in any reasonable "time."

He proceeds to state his imperfect attempts to procure air from water by freezing, until he procured cylindrical iron vessels seven or eight inches high and near three inches wide at the bottom, the upper orifice closed with a cork and cement, in the centre of which

which was a glass tube about one fifteenth of an inch in diameter. In this apparatus the water in the iron vessel was frozen by means of snow and salt, the vessel being immersed in mercury, and the water contained over the mercury. The quantity of water was about three ounces. The experiment was repeated nine times without changing the water, and the last portion of air procured in this manner was as great as any of the preceding; so that there remained no reasonable doubt but that air might be produced from the same water in this manner ad libitum. Having obtained near two inches of air in the glass tube, Dr. Priestley put an end to the experiment, and examining the air found it wholly phlogisticated, not being affected by nitrous air, and having nothing inflammable in it.

The inference drawn by the Doctor from those experiments is, that water when reduced by *any means* into the state of vapour, is in part converted into phlogisticated air; and this is one of the methods provided by nature for keeping up the equilibrium of the atmosphere, as the influence of light on growing vegetables is the means of recruiting the other part; both of them being subject to absorption and

diminu-

diminution in several natural processes. And he thinks that they strengthen also the opinion, that water is the basis of every kind of air, instead of being itself a compound of hydrogen and oxygen according to the new theory. At all events the experiments themselves must be considered as extremely curious, as well as new.

The water and the salt thus made use of gave rise to another experiment of the most important nature to the present theory of chemistry, if it should on future repetition be ultimately verified. This experiment related by Dr. Priestley in a letter to Dr. Wiston is in substance as follows. Having repeatedly used as above mentioned a freezing mixture of common salt and snow, the experiment being finished, he evaporated the snow water in an iron vessel and recovered the salt. The salt thus recovered contained some calx of iron. He put it by in a bottle and labelled it, according to his usual practice. In October 1803, he wanted to procure some marine acid, and took the salt thus procured by evaporating the snow water, for the purpose. On commencing the distillation, he was surprized to find the receiver full of the characteristic red fumes of the nitrous acid.

acid. The vitriolic acid used for the purpose was diluted with about an equal quantity of water. On finishing the process, he took some of the acid in the receiver, and dissolved copper in it, and thus procured good nitrous air. He was himself perfectly persuaded that no nitre had been used in the freezing mixture, nor had any by accident or design been mixed with the salt. He was not unacquainted with the common mode of clearing black oil of vitriol by the addition of nitre. So that no means of accounting for this curious fact remained, but the snow or the iron: he seemed to think that should this experiment be fully verified hereafter, it would confirm the vulgar hypothesis of snow containing nitre, and account for the fertilizing quality usually attributed to snow. He had no opportunity in that winter of repeating the experiment as he died in about three months after, and his previous illness had compelled him to forsake his laboratory.

Of the almost discarded theory of Phlogiston Dr. Priestley to his death remained the strenuous advocate, and almost the sole supporter; *ipse Agmen.* Beautiful and elegant as the simplicity of the new doctrine appears, many facts yet remain to be explained,

plained, to which the old system will apply, and the French theory is inadequate. These are collected with an ingenuity of arrangement, and a force of reasoning in the last pamphlet published by the Doctor on the subject,* which no man as yet unprejudiced can peruse, without hesitating on the truth of the fashionable theory of the day.

Certainly, it has not yet been sufficiently explained on the new theory, what becomes of the Oxygen from the decomposed water in the solution of metals in acids; nor why inflammable air is produced when one metal in solution is precipitated by another; nor why dephlogisticated air is hardly to be procured from finery cinder, if at all; nor why this substance so abounding in oxygen according to the new theory, will not oxygenate the muriatic acid; nor why it should answer all the purposes of water in the production of inflammable air from charcoal; nor why water in abundance should be produced when finery cinder is heated in inflammable air, and none when red precipitate is exposed to the same process; nor what becomes of the oxygen of the decomposed water

* The doctrine of phlogiston established 1803.

ter when steam is sent over red hot Zinc, and inflammable air is produced without any addition in weight to the Zinc employed; nor why there should be a copious production of inflammable air when hot filings of Zinc are added to hot mercury in a hot retort and exposed to a common furnace heat, which I believe is an unreported experiment of Mr. Kirwan's; nor why sulphur and phosphorus are formed by heating their acids in inflammable air without our being able to detect the oxygen which on the new theory ought to be separated, nor why water should be produced by the combustion of inflammable air with ,47 of oxygen, and nitrous acid when ,51 of oxygen is employed, for this experiment can now no more be doubted than explained; nor why on the new doctrine the addition of phlogisticated air, should make no alteration in the quantity of acid thus obtained; nor why red hot charcoal slowly supplied with steam, should furnish inflammable air only and not fixed or carbonic acid air; nor why nothing but pure fixed air should be produced by heating the carbonated Barytes in the same way; nor why fixed air should be formed under circumstances when it cannot be pretended that Carbon is present, as when gold,

gold, silver, platina, copper, lead, tin and bismuth are heated by a lens in common air over lime water; or why the grey and yellow calces of lead should furnish carbonic acid and azote, and no oxygen; nor why the residuum of red lead when all its oxygen is driven off by heat should be either massicot or glass of lead according to the degree of heat, and not lead in its metalline state; nor why plumbago with steam should yield inflammable and not fixed air; nor why minium and precipitate per se heated in inflammable air should produce fixed air; nor why on the evaporation of a diamond in oxygen, the fixed air produced should far exceed the weight of the diamond employed, if some of the oxygen had not entered into the composition of the carbonic acid so formed; nor why there should be a constant residuum of phlogisticated air (or azote) after the firing of dephlogisticated and inflammable airs, if it be not formed in the process; nor why phlogisticated air if a simple substance, should be so evidently formed in the various processes enumerated by Dr. Priestley in the 13th section of the pamphlet of which I have made the foregoing abstract? whether the doctrine of phlogiston is still to be used as the key to the gate of chemical

mical theory, or whether it be properly thrown aside for the elegant substitute of the French chemists, can hardly be ascertained, until the preceding difficulties are cleared up on the new doctrine, for on the old theory they are sufficiently explicable. The summary of arguments in favour of Phlogiston, published by Dr. Priestley, in 1803, are evidently too important, and too difficult of reply, to be slighted by those who adopt the opposite opinions. *Non nostri est tantas componere lites.* Should the old theory ultimately fall, it may be fairly said of its respectable supporter, *si Pergama dextra defendi potuit, etiam hac defensa fuisset.*

This was almost the last of Dr. Priestley's chemical publications,* through all which, his characteristic talent as an author has been eminently preserved, that of not only adding greatly to the existing stock of knowledge, but exciting others to exertion and reflection in the same line of pursuit. Nor can I help

* To the end of this Appendix will be subjoined a list of the scattered papers on Philosophical subjects which Dr. Priestley published in periodical collections, besides those which are inserted in the Philosophical transactions.

I help thinking that much of the labours of the French philosophers in this department of science would never have been undertaken, if they had not been called forth by the previous discoveries, not of Lemery, Margraaf, Bayen, Macquer, and Beaumè, but of Hales, Black, and Macbride; of Cavendish and Priestley and Scheele.* Would to God there were no other object of contest between the rival nations of Great Britain and France, but which should add most to the sum of human knowledge, and contribute most to the means of human happiness.

It is impossible to conclude the preceding account better than by the following extract of a letter to Mr. Lindsey from a man† well able to appreciate the labours of Dr. Priestley; and the late testimony in favour of his discernment by Dr. Bostock. "To "enumerate Dr. Priestley's discoveries, would in "fact

* I do not mean to deny the tribute of praise to Marriotte and Venel, any more than to Brownrigg and Lane, and it is certain that Lavoisier was engaged in pneumatic experiments, previous to 1774.

† Richard Kirwan, Esqr.

" fact be to enter into a detail of most of those that " have been made within the last 15 years. How " many invisible fluids whose existence evaded the " sagacity of foregoing ages has he made known to " us? The very air we breathe, he has taught us to " analyze, to examine, to improve: a substance so " little known, that even the precise effect of respira- " tion was an enigma until he explained it. He first " made known to us the proper food of vegetables, " and in what the difference between these and ani- " mal substances consisted. To him Pharmacy is " indebted for the method of making artificial mi- " neral waters, as well as for a shorter method of " preparing other medicines; metallurgy for more " powerful and cheap solvents; and chemistry for " such a variety of discoveries as it would be tedious " to recite: discoveries which have new modelled " that science, and drawn to it and to this country, " the attention of all Europe. It is certain that " since the year 1773, the eye and regards of all the " learned bodies in Europe have been directed to " this country by his means. In every philosophi- " cal treatise, his name is to be found, and in almost " every page. They all own that most of their dis-

" coveries

"coveries are due either to the repetition of his dis-
"coveries, or to the hints scattered through his
"works.*

"This is not the only instance" (says Dr. Bostock,† speaking of Mr. Jurin's opinion that azote was generated, instead of being absorbed, in the process of respiration as Dr. Priestley, and after him Mr. Davy had supposed,) "in which, after the con-
"clusions of Dr. Priestley have been controverted
"by his contemporaries, a more accurate investiga-
"tion of the question, has ultimately decided in his
"favour. The complicated apparatus, and impo-
"sing air of minuteness which characterize the ope-
"rations of the French chemists, irresistibly engage
"the assent of the reader, and scarcely permit him
"to examine the stability of the foundation upon
"which the structure is erected. The simplicity
"of the processes employed by Dr. Priestley, the
"apparent ease with which his experiments were
"performed, and the unaffected conversational stile
"in

* Vindiciæ Priestlianæ, p. 68.

† Essay on respiration, p. 208.

" in which they are related have, on the contrary been " mistaken for the effects of haste and inaccuracy. " Something must also be ascribed to the theoreti- " cal language which pervades, and obscures the " chemical writings of this Philosopher, in conse- " quence of his unfortunate attachment to the doc- " trine of Phlogiston."

When the operose experiment of the French chemists on the formation of water, shall have been sufficiently repeated, and verified by other experiments to the same point, less complex, less tedious, less expensive, and easy to be repeated; when the water thus supposed to be formed is sufficiently distinguished from the water absolutely necessary to the generation of all airs, and attendant upon them* both in a state of mixture and combination; and when the difficulties enumerated a page or two back, as attendant on the modern theory shall be explained on the

* Mr. Kirwan found that common inflammable air from iron, and vitriolic-acid, contained about 2-3 of its weight of water mixed with it; which might be separated from the air by means of concentrated vitriolic-acid in a watch glass over mercury, without diminishing the quantity or altering the characteristic properties of the air thus treated.

the new system, as well as on that of Stahl, then, and not until then, will it be time to lament Dr. Priestley's unfortunate attachment to the doctrine of Phlogiston.

Of Dr. Priestley's other Scientific Works.

THE other philosophical labours of Dr. Priestley consist of his history of electricity, his history of the discoveries relating to light and colour, and his popular introductions to perspective, electricity and natural philosophy.

It appears that after the publication of his history of electricity, he intended to have pursued the plan, by composing similar histories of every branch of science: a magnificent idea, and which none but a man conscious of uncommon powers could have contemplated. Few men indeed were so capable of such an undertaking as Dr. Priestley; for independant of his habits of patient and regular industry in his literary pursuits, and the wide field of his attention to scientific objects, he had a facility of perusing, abstracting, and arranging the works of others, not commonly attendant even upon equal abilities in

other respects. This great undertaking of Dr. Priestley to embrace the various departments of philosophy, appears a labour sufficient for one life; and had due encouragement been afforded, this projected series of histories would in all probability have been compleated, usefully to the world, and reputably to himself. But he proposed this undertaking laborious as it was, without designing that it should occupy the whole or the principal portion of his time, but his leisure hours only; for at no period did he postpone his professional duties, or his theological studies, to any other object whatever. The life of Dr. Priestley is almost a perpetual illustration of a seeming paradox, respecting mental energy, that men of talents, uncommonly laborious, and who appear to get through more business than one person could be supposed equal to, have usually more leisure time at their disposal, than those who have little to do: so much does the habit encrease the power of exertion. Nor was any man less averse to the innocent pleasures of social enjoyment than Dr. Priestley, or better calculated as well as more inclined to contribute to the common stock of amusing, and instructive conversation. It cannot

not indeed be truly said of him, as Dr. Johnson* once related of himself, that he had never refused an invitation to dinner on account of business but once in his life, yet no man more readily found leisure for social intercourse. This arose from his habit of dividing his time into certain portions appropriated to his respective pursuits, and determining to perform a certain quantity of literary duty, within the assigned period.

The first edition of his history of Electricity, was in 1767: it went through another edition in 1769, and

* On that day, (Dr. Johnson said) as it was an unusual deprivation, he found himself disinclined, and unable to attend steadily to the work that led him to refuse the invitation. He walked about his library occasionally looking over first one book and then another until about four o'clock when weary of staying within he went to a tavern to dine. Dr. Johnson had for a long time a dislike to Dr. Priestley who bore two of the characters most in disrepute with Dr. Johnson, that of a whig and a dissenter. Dr. Priestley's pursuits also consisting so largely of heterodox theology, which Dr. Johnson abominated, and experimental philosophy which he heartily despised, they had hardly a common point of union. Toward the latter part of Johnson's life, they met; and upon the friendly terms that ought to obtain between two men, who, each in their way, deserved so well of the republic of letters.

and a third in 1775. It was published at a very happy time, when electricity was a favourite object of attention to many respectable men of science then living, and it contributed in a great degree to turn the public attention toward the study of these phenomena. Very much of what has been done since may be fairly attributed to the popularity given to this branch of experimental philosophy by Dr. Priestley. Nor did he confine himself to a mere narration of the labours of others; the second volume contains many new experiments of his own, and some of them form very curious and important additions to the stock of electrical knowledge.* The

* Dr. Priestley among his other experiments on electricity first ascertained the conducting power of charcoal and the calcination and vitrification even of the most perfect metals by the electric spark. He seems first to have used large batteries, which M. Van Marum and his associates have carried to such extent.

The solutions of the metals, the gasses produced and the circumstances which accelerate and prevent these effects in Galvanic processes with the pile of Volta, as detailed by Dr. Priestley in his paper on this subject in Nich. Journ. for March 1802 p. 198 form very important additions to the mass of knowledge respecting the Galvanic fluid. Nor are his discoveries in pneumatic electricity, of the conversion of oils, spirit of wine and the alkaline gass into inflammable air or hydrogen of less moment.

The discoveries of the last thirty years, particularly including those of Galvanic Electricity, are so numerous, and so dispersed in volumes difficult to be procured, that a continuation of this history is a desideratum in the scientific world; at one time there was an expectation of seeing it from the pen of Mr. Nicholson, whose general knowledge, and industry, as well as his attention to this branch of philosophy in particular, render him peculiarly qualified for the task. But the proposals he communicated to Dr. Priestley, on the subject, were not pursued to effect.*

These histories of detached branches of Science, would not only be highly useful, but they may be considered as in some measure necessary to the accurate pursuit, and advancement of science itself. They are not only useful for the purpose of shewing the discoveries that have been made, and the time of their publication, the ideas that appear to have suggested them, the persons to whom we are indebted for them, and their effect on the spirit of enquiry at the

* Dr. Bostock, who seems to have many requisites to qualify him as the historian of particular branches of science, has published a good attempt toward the history of Galvanism in Nicholson's Journal.

the time, but they prevent a man of science from being led into mistakes, from doing what has been already done, from suggesting what has been already published, and from ignorantly claiming to himself the merit due to the labours of a predecessor. Books are now so multiplied, in languages so various, obtained with so much difficulty, and at an expence so far exceeding the usual means of scientific men, that those who like Dr. Priestley fully and faithfully execute a work of this description are real benefactors to mankind.*

The history of ELECTRICITY was composed by Dr. Priestley in one year. The three editions of the work in less than eight or nine years sufficiently shew that, in the opinion of men of science, it was well composed: otherwise the celerity of its composition, would no doubt derogate from, instead of adding to, the well earned reputation of the author; and rather tend to shew that he was too careless or too conceited to take the necessary pains and employ the necessary time

* The transactions of the various academies and philosophical societies in Europe amount at least to 1000 volumes in quarto. The royal society of England in 1665 led the way to similar institutions.

time to make it fit for public inspection. Every man owes to the public, that if he professes to instruct them, he should dedicate as much labour as the subject demands, or at least as much time as it is in his power to devote to it. I fully accede to the ingenious correction of the *nonum prematur in Annum*, suggested by the witty Dr. Byrom of Manchester; but something of the *Limæ Labor*, respect for the tribunal of the public demands of every man who appears before them in the character of an author. Dr. Priestley has in more instances than one, been accused of unnecessary if not of culpable rapidity in his literary compositions: but he never professed to be a fine writer; he never sought after the beauties of stile; and his common language was sufficiently neat and expressive, to communicate the facts and the arguments upon which it was employed. It is also to be remarked, that the facility of composition which he acquired from long practice, made that labour light to him, which would have been too much for a less skilful and a less experienced composer. In many instances indeed of his rapid publications, he had not to *seek* for arguments, but to express in his unornamented and unaffected manner, the ideas that forced

forced themselves upon him relating to a subject previously considered and upon which he had long made up his mind.

The History of Discoveries respecting LIGHT and COLOURS published in 1772 was a more difficult task, nor did it meet with equal encouragement. Sir Isaac Newton's important labours in this branch of science, could not be fully comprehended without a portion of mathematical knowledge not even then so common as formerly, among the philosophers of the day. Mathematical studies seem to have in themselves very little to interest, compared with other literary pursuits; although by long attention and habit, that interest may be excited and kept up. It was about this time that the popular phenomena of chemistry and electricity more decidedly took their stand in the field of science, and irresistably seized hold on the attention of the world: phenomena, highly amusing in themselves, strongly attractive from their novelty, of evident and immediate application, and that promised an incalculable harvest of honourable and useful discovery, to such as would become their votaries. Little had been done in this department of philosophy, little previous knowledge was required

to

to comprehend all that was known, and those who were unable to read a page of Sir Isaac Newton with profit, could easily mix an acid and an alkali, or turn the wheel of an electrical apparatus.

By this time too, it had been discovered, that there were other powers in nature that must be called in to explain appearances, which the mechanical and corpuscular philosophy had endeavoured to elucidate in vain. Such were magnetism, electricity and chemistry. It began to be found out, that the science of calculation, was but an aukward handmaid to their sister branches of natural philosophy, while physiology, laughed outright at the clumsy addresses of her mathematical admirers, from Borelli to Keill.

The discoveries therefore relating to light and colours, at the time when Dr. Priestley proposed his history, being intimately associated with the study of the mathematics, and the profound investigations of Sir Isaac Newton, were out of the beat of the less laborious, but more fashionable philosophy of the day; and were not so generally interesting to the Sciolists and Amateurs. Hence the work in question, though treated in a very entertaining and popular manner, and by no means crouded with reference

ference to Diagrams or abstruse discussions, was not popular even among that class of readers, who might reasonably be calculated on, as the purchasers of such a performance. The subscribers indeed were sufficiently numerous, and respectable, but by far the majority were defaulters in respect of payment. It did not pay the bookseller: and of course still less did it recompence Dr. Priestley in a pecuniary point of view, especially as he had gone to considerable expence with a view to the completion of his extended plan. To him indeed, though pecuniary loss was a serious evil, pecuniary profit was a consideration of small importance: his motives to literary labour seem uniformly to have arranged themselves as follows, utility, reputation, profit.

The work in question is certainly too brief, considering the importance of the subject: many parts of it, the theory of Huygens, Euler, and Franklin for instance, seem to have merited more discussion. That all the phenomena of light depend on the Sun, as the reservoir, whence all the emanations of that fluid to the various parts of the system are supplied, the lighting of a candle is alone sufficient to refute. The facts discovered to us by modern Chemistry

will

will suggest a great many other doubts of the doctrines respecting light, which were regarded as well established when Dr. Priestley's book was written. But it was a faithful account of the knowledge of the day, and an unprejudiced tribute to the reputation of those philosophers who had from time to time extended the boundaries of science on the subjects treated of.

Not a little has been added to the mass of facts then published, by the subsequent experiments of Dr. Priestley himself, and his fellow labourers in the Chemistry of the Gasses: and notwithstanding the experiments of Sir Isaac Newton and his predecessors, the theory of light and colours is not yet rested upon facts sufficiently numerous, and decisive to satisfy the enquiries dictated by the present state of knowledge.

But with all these disadvantages, the work has nevertheless maintained its ground, for we have no where else so systematic, and compleat, though brief an account of what had been made known to the world on this important branch of scientific inquiry. It will always remain a valuable performance; and to the author an honourable one, from the know-

ledge

ledge and ability required in its compilation, from the fairness of the account it gives, and the entertaining statement of facts and suggestions interspersed through the book.

It is greatly indeed to be wished, that these histories should be continued on the plan which Dr. Priestley has adopted. So that all the prominent facts should be collected in the order of their discovery, and a full view be given of the ground already gone over. Abridgments, do not answer this purpose; the theories that dictated the experiments are not detailed, their truth or their fallacy cannot be judged of, and sufficient merit is not attributed to the labours of the discoverer, or the bearings of his facts on his theory, sufficiently explained. To attain gradually to the summit of the temple of science, we must not only build on the foundations of our predecessors, but know somewhat of their intentions at the time of laying them.

The minor treatises of Dr. Priestley on electricity, perspective and natural philosophy, have this discrimination of character, that they are more calculated to allure young people to the study of those subjects than almost any of the introductions which have either

either preceded or succeeded. Philosophy is made, not an abstruse science, but a delightful amusement. Indeed it was the forte of Dr. Priestley to make knowledge intelligible and popular, and treat it in such a way, as to invite rather than deter, those who were inclined to enter upon these delightful pursuits. The plainness and simplicity of his syllabus, the amusing complexion of the Phenomena, by which he illustrates his doctrines, and the facility with which the one can be made, and the other comprehended, affords a very useful example to those who may have the same object hereafter in view. This was doubtless, owing to his long experience as a teacher: and his success in that capacity among his pupils, with the electrical machine, and the air pump, is full evidence of the practical utility of his plans of instruction.

Catalogue

Catalogue of Dr. Priestley's smaller pamphlets and uncollected papers on philosophical subjects.

Nicholson's Journal. new series.

V. 1 p. 181. Reply to Mr. Cruikshank's.

Ibid 198. Experiments on the Pile of Volta.

V. 2 p. 233. On the conversion of iron into steel.

V. 3 p. 52. On air from finery cinder and charcoal.

V. 4 p. 65. Farther reply to Mr. Cruikshank's.

Amer. Trans.

V. 4 p. 1. Experiments and observations relating to the analysis of atmospherical air.

V. 4 p. 11. Farther experiments relating to the generation of air from water.

Ibid p. 382. Appendix to the above articles.

Ib. Vol. V. Republished

p. 1. Experiments on the transmission of acids and other liquors in the form of vapours over several substances in a hot earthen tube.

p. 14. Experiments on the change of place in different kinds of air through several interposing substances.

together.

21. Experiments relating to the absorption of air by water.
28. Miscellaneous experiments relating to the doctrine of phlogiston.
36. Experiments on the production of air by the freezing of water.
42. Experiments on air exposed to heat in metallic tubes.

New-York Med. Repos.	*Title and Date.*
Vol. 1 p. 221.	Considerations on the doctrine of Phlog. and the Decomp. of water. (Pamphlet) 1796.
Ibid p. 541.	Part 2d of do. (Pamphlet 1797.)
Vol. 2 p. 48.	(Pamphlet) to Dr. Mitchell.
Ibid p. 163.	(Pamphlet) on Red Precipitate of Mercury as favourable to the doctrine of Phlogiston, July 20, 1798.
Ibid p. 263.	Experiments relating to the calces of metals communicated in a fifth letter to Dr. Mitchell. October 11, 1798. (Pamphlet.)
Ibid p. 269.	Of some experiments made with ivory black and also with diamonds. (Pamphlet) 11 October, 1798.

Ibid p. 383. On the phlogistic theory, January 17, 1799. (Pamphlet.)

Ibid p. 388. On the same subject. February 1, 1799.

Vol. 3 p. 116. A reply to his antiphlogistian opponents, No. 1.

Vol. 4 p. 17. Experiments on the production of air by the freezing of water.

Ibid p. 135. Experiments on heating Manganese in inflammable air.

Ibid p. 247. Some observations relating to the sense of hearing.

Vol. 5 p. 32. Remarks on the work entitled "A brief history of epidemic and pestilential diseases," May 4, 1801.

Ibid p. 125. Some thoughts concerning dreams.

Ibid p. 264. Miscellaneous observations relating to the doctrine of air, July 30, 1801.

Ibid p. 390. A reply to Mr. Cruikshank's observations in defence of the new system of chemistry, 5 Vol. Nicholson's Journal p. 1, &c.

Vol. 6 p. 24. Remarks on Mr. Cruikshank's experiments

periments upon finery cinder and charcoal.

Ibid p. 158. Observations on the conversion of iron into steel.

Ibid p. 271. Additional remarks on Mr. Cruikshank's experiments on finery cinder and charcoal, November 15 1802.

APPEN-

APPENDIX, NO. 2.

Of Dr. Priestley's Metaphysical Writings.

THE principal source of objection to Dr. Priestley in England, certainly arose from his being a dissenter; from his opposition to the hierarchy, and to the preposterous alliance, between Church and State: an alliance, by which the contracting parties seem tacitly agreed to support the pretensions of each other, the one to keep the people in religious, and the other in civil bondage. His socinian doctrines in theology, and the heterodoxy of his metaphysical opinions, though they added much to the popular outcry raised against him, were not less obnoxious to the generality of Dissenters, than to the Clergy of the Church of England. Nor is it a slight proof of the integrity of his character, and his boldness in the pursuit of truth, that he did not hesitate to step forward the avowed advocate of opinions, which his intimate and most valuable friends, and the many who looked up to him as the ornament of the dissenting interest, regarded with sentiments of horror,

ror, as equally destructive of civil society and true religion.

The extreme difference observable between the apparent properties of animal and inanimate matter, easily led to the opinion of something more as necessary to thought, and the phenomena of mind, than mere juxta position of the elements, whereof our bodies are composed. The very antient opinion also of a state of existence after death, prevalent in the most uncivilized as well as enlightened states of society, confirmed this opinion of a separate and immortal part of the human system: for it was sufficiently evident, that no satisfactory hopes of a futurity after death, could be founded on the perishable basis of the human body. It is only of late days, and from the extention of anatomical and physiological knowledge, that the theory, and the facts of animal organization have been at all understood; and without the conjunction of physiology with metaphysics, the latter would have remained to eternity, as it has continued for ages, a mere collection of sophisms, and a science of grammatical quibbling. The doctrine of a future state, and that of an immaterial and immortal soul, became therefore mutual

supports to each other; and herein the civil power willingly joined in aid of the dogmas of metaphysical theology, from observing the convenience that might arise in the government of civil societies, from inculcating a more complete sanction of rewards and punishments for actions in this life, by means of the dispensations in a life to come. Other causes also gave an universal preponderance to the theory of the human soul. It became, for the reasons above mentioned, not only a favourite doctrine with churchmen and statesmen, but the self delusions among the vulgar, respecting supposed appearances after death, rendered it also a *popular* doctrine. Indeed, in every age, and in every country, the priesthood have found it so powerful an engine of influence over the minds of the people, and in too many cases, so fruitful a source of lucrative imposture, that its prevalence is not to be wondered at, wherever artificial theology has been engrafted on the simplicity of true religion, and supported by an established clergy. Of Popery, which yet remains the prevailing system of the christian world, it is doubtless the corner stone; and even under every form of ignorant and idolatrous worship throughout

out the globe, it is the main source of power and profit to that class of society, which regulates the religious opinions, rites and ceremonies of the country. Not that I would insinuate, that the belief of a separate soul, like some other opinions that might be mentioned, has been generally taught by professors who disbelieve it; for plausible arguments are not wanting, to give it that currency which it has so long received among the wisest and the best of men: nor that an established priesthood of any age or country, or of any religion, is a mere compound of fraud and imposture, for I well know that the wise and the good are abundant in this class of society, as well as in others. But even such men are liable to the common infirmities of human nature; they cannot be indifferent to their rank in society, or the means of their subsistence: it is not every college youth, that is able or willing to weigh "the difficulties and discouragements attending the study of the Scriptures," so forcibly pointed out in the melancholy pamphlet of Bishop Hare: nor is it every professor of christianity, who doubts of the doctrines he has undertaken to teach, that has fortitude enough to follow the noble example of Theophilus

philus Lindsey, and John Disney. Hence we may take for granted, that those opinions will be admitted the most readily, and enforced the most willingly, which contribute to the influence of that order, which the professors have been induced by choice, or compelled by necessity, to wed for life. Choice indeed, at least that kind of choice, which depends on a well-grounded conviction of the object chosen being the means of superior usefulness, has little to do in this business. For though the clergy of the church of England severally declare that they are moved by the Holy Ghost to take upon them the clerical character, is there one among them in the present day (Bishop Horsely perhaps excepted) who would venture to defend this declaration in the sense originally intended? It is a fact notorious, that the candidates for holy orders, regard the profession of Divinity as they would that of Physic or Law, a fair and reputable means of gaining a livelihood, by performing those duties which are considered as necessary to the well being of society. It is a fact too, equally notorious, that wherever theological opinions (like that of the human soul) have been fit and liable to be made subservient to the temporal profit

fit or influence of the clergy, that use has been so made of them by the ambitious and designing part of the profession, and the rights of the people have been encroached upon, to serve the interest of the Hierarchy. Nor is it the established clergy alone that some of the preceding remarks will apply to: much bigotry among the clergy of the dissenting interest, may fairly be ascribed to similar causes, though by no means operating in the same degree.

But important as this doctrine is to the clerical order in political societies, some latitude of doubt and even of denial, has been conceded in England to the known friends and adherents of the established system in that country. This is the more to be wondered at, as they have generally considered a dissonance of opinion among their own order, more fatal to the common interest, than the attacks of their avowed enemies. Thus, more notice was taken of the Arian heterodoxy of Dr. Clarke, than of the avowed infidelity of Collins, Tindal, Toland, Coward, and other writers of that class, who published about the same period.

The learned Mr. Henry Dodwell as he is usually called, and who is a pregnant instance that learning does

does not always persuade good sense to inhabit the same abode, took great pains to shew that the soul was naturally mortal, but might be immortalized by those who had the gift of conferring on it this precious attribute. This power he ascribed to the Bishops. Dodwell, though he would not at first join the establishment, changed his opinion and his conduct in this respect afterward. Bishop Sherlock denied that the existence of the soul could be made evident from the light of nature, (Disc. 2 p. 86. disc. 3 p. 114) Of the same opinion was Dr. Law who quotes him. Archbishop Tillotson declares (v. 12 serm. 2.) that he cannot find the doctrine of the immortality of the soul expressly delivered in scripture. Dr. Warburton wrote his "Divine legation" to prove that Moses and the Jews neither believed in, nor knew of a future state. Dr. Law, afterward Bishop of Carlisle, in the appendix to the third edition of his "Considerations on the theory of religion," compleatly overthrows the whole doctrine of a separate soul as founded on the scripture, by a critical examination of every text usually adduced in its support. Dr. Watson the present Bishop of Landaff in the preface to his collection of theological tracts dedicated to young divines for

for whose use it was compiled, expressly declares that the question respecting the materiality or immateriality of the human soul, ranks among those subjects on which the *academicorum* εποχη may be admitted, without injuring the foundations of religion. It should seem therefore, that it is not heterodoxy in mere speculative points of theology, that constitutes the sin against the holy Ghost with an established clergy, but heterodoxy on the subject of church authority and the grand alliance. It is in this spirit that the then Archdeacon of St. Albans, Dr. Horsely complains of Dr. Priestley's history of the corruptions of christianity. "You will easily conjecture (says "the Archdeacon in his animadversions on that work "p. 5) what has led me to these reflections, is the "extraordinary attempt which has lately been made "to *unsettle the faith and break up the constitution of* "*every ecclesiastical establishment in Christendom.* "Such is the avowed object of a recent publication "which bears the title of a history of the corruptions "of christianity, among which the catholic doctrine "of the trinity holds a principal place."

This is an unfortunate exposure of the cloven foot of Hierarchy. It was not the wish to detect error or

to

to establish truth—it was not from anxiety to fix upon a firm footing, some great and leading principle of christianity—it was not the benevolent design of communicating useful information on a litigated topic of speculative theology—it was not the meek and gentle spirit of sincere and patient enquiry that dictated those animadversions—all these motives would not only have borne with patience, but would have welcomed and exulted in a temperate discussion of unsettled opinions, before the tribunal of the public; for by such discussions alone, can the cause of truth be permanently and essentially promoted. No: these were not the motives that influenced the Archdeacon of St. Albans. It was the nefarious and unpardonable attempt to unsettle the faith of established creeds; however founded that faith might be, on ignorance or prejudice, on pardonable misapprehension, or culpable misrepresentation, on fallacy, on falsehood, or on fraud. These "Animadversions," proceeded from the morbid irritability of an expectant ecclesiastic; from a prudent and a prescient indulgence of the *esprit de corps*; from a dread too perhaps, lest the tottering structure of church establishment, with all its envied accompaniments of sees and benefices,

benefices, of deaconries and archdeaconries, and canonries, and prebendaries, and all the pomp and pride of artificial rank, and all the pleasures of temporal authority, and lucrative sinecure connected with it, might be too rudely shaken by sectarian attacks. But enough for the present, respecting these learned labours of the Archdeacon of St. Albans; which like those of Archdeacon Travis may well be considered as having sufficiently answered the *main* purpose of their respective authors, in spite of the wicked replies of Priestley and Porson. Let us say with the public, *requiescant in pace.*

To return however to the more immediate subject of the present section. Hobbes seems to have been the first writer of repute (in England at least) who denied the doctrine of an immaterial and naturally immortal soul. This was a necessary consequence of his faith being apparently confined to corporeal existence, an opinion deducible in fact from the old maxim of the antients and of the schools, *nil unquam fuit in Intellectu, quod non prius erat in Sensu.* Hobbes's Leviathan was published about 1650 or 1651. Spinosa who published after Hobbes was rather an Atheist than a Materialist, a character to which though

though Hobbes's opinions might lead, he does not assume. In 1678 Blount sent forward to the public his "*Anima Mundi*, or an historical narration of the "opinions of the antients concerning man's soul after this life according to unenlightened nature," which met with much opposition and some persecution; as was likely, for it is by no means destitute of merit.

In 1702 appeared a book entitled "second "thoughts concerning the human soul, demonstrat-"ing the notion of a human soul as believed to be a "spiritual and immortal substance united to a hu-"man, to be an invention of the heathens and not "consonant to the principles of philosophy, reason, "or religion by E. P. or Estibius Philalethes." "The year following a supplement was published "entitled "Farther Thoughts, &c." The author preoccupies a path subsequently taken by Dr. Law and Dr. Priestley, and endeavours to shew at length that the notion of an immaterial, immortal soul, is not countenanced by the texts of scripture usually adduced in favour of that opinion. These texts he criticises individually with a reference to the original words used. The author appears in

the

the character of a sincere christian. A second edition of this book was published 1704. In 1706 Mr. Dodwell before mentioned, a learned and laborious but weak man, and bigotted to the hierarchy, published his "Epistolary discourse proving from the "scriptures and the first fathers that the soul is a "principle naturally mortal, but immortalized actu- "ally by the pleasure of God, to punishment or re- "ward; by its union with the divine baptismal spi- "rit. Wherein is proved that none have the pow- "er of giving this divine immortalizing spirit since "the apostles, but only the bishops." This gave rise to the controversy between Clarke and Collins on the immortality of the soul. Dodwell's book was attacked by Chishull, Norris and Clarke. He replied in three several publications, 1st. "A prelimi- "nary defence of the epistolary discourse concern- "ing the distinction between soul and spirit, 1707. "2nd. The scripture account of the eternal rewards "or punishments of all that hear of the gospel, with- "out an immortality necessarily resulting from the "nature of souls themselves that are concerned in "those rewards and punishments, 1703. 3d. The "natural mortality of human souls clearly demon-

" strated from the holy scriptures and the concurrent " testimonies of the primitive writers. 1708.

About this time Toland in his letters to Serena, (1704) gives an " Essay on the history of the soul's " immortality among the Heathens," deducing that doctrine from popular traditions supported by poetical fictions, and at length adopted and defended among the philosophers. Concluding from hence, (preface) that divine authority was the surest anchor of our hope and the best if not the only demonstration of the soul's immortality; an indirect denial of the whole doctrine as coming from Toland, who was certainly no friend to christianity and no believer in the divine authority of the scriptures.

In the same year (1704) but somewhat previous to Toland, Dr. Coward had published his "Grand " Essay, or a vindication of reason and religion " against impoltures of philosophy; proving accord- " ing to those ideas and conceptions of things human " understanding is capable of forming itself. 1st. " That the existence of an immaterial substance is a " philosophic imposture and impossible to be con- " ceived. 2ndly That all matter has originally cre- " ated in it, a principle of internal or self motion. " 3rdly

"3rdly That matter and motion must be the foun-
"dation of thought in men and brutes." Dodwell and Toland had learning enough and so had Blount to throw some light on the history of this question, and the author of second thoughts has many observations well adapted to the question he discusses, but very little is to be gained from a perusal of Coward's book.

Dr. Hartley's great work, (great, not from the bulk, but the importance of it) was first published in 1749. The direct and manifest tendency of the whole of his first volume is to destroy the common hypothesis of an immaterial soul: and this he does with a mass of fact and a force of reasoning irresistible. He shews clearly how all the faculties ascribed to the soul, thought, reflection, judgement, memory, and all the passions selfish and benevolent, may be resolved into one simple undeniable law of animal organization, without the necessity of any hypothesis such as that of a separate soul. Yet he does not appear distinctly to have seen the full weight and tendency of his own reasoning, and he adopts a theory on the subject, loaded with more difficulties and absurdities, than even the common hypothesis.

In 1757 was published a philosophical and scriptural inquiry into the nature and constitution "of "mankind considered only as rational beings, wherein "the antient opinion asserting the human soul to be "an immaterial, immortal and thinking substance "is found to be quite false and erroneous, and the "true nature state and manner of existence of the "power of thinking in mankind is evidently demonstrated by reason and the sacred scriptures." Authore J. R. M. I. Who this author really was I know not. But from the perusal of his book it is probable that he was a physician, and had been travelling. The above work he terms the philosophic or first part, and refers to a longer work of his own in manuscript which it seems he could not procure to be published. There is very little new in the book so far as I could judge.

I do not recollect any other treatise relating to the subject that excited public attention in England. In France and Holland La Mettrie began the controversy by his Histoire naturelle de L'Ame, published at the Hague in 1745 as a translation from the English of Mr. Charp;* it is a book containing

* This is probably one of the inumerable instances of the carelessness

many forcible remarks, and did credit to the side of the question which La Mettrie had adopted. Soon after this La Mettrie published L'Homme machine which was burnt in Holland in 1748. This was an honour not due to the formidable character of the work itself, which though it contains some of the common arguments drawn from the physiology and pathology of the human system, is by no means of first rate merit. He whimsically attributes the fierceness of the English, to their eating their meat more raw than other nations. This book was translated and published in London in 1750.

From

ness of French authors in quoting English names. La Mettrie most likely meant to ascribe this to Mr. Sharp the Surgeon, with whose reputation he must have been acquainted. I remember Arthur Young Esq. in one of his annals of agriculture complains that a paper of his translated into French was given to Artor Jionge ecuier. Some years ago Mr. Charles Taylor of Manchester (lately secretary to the society of Arts in London) was requested by Lord Hawkesbury to make some experiments to ascertain the value of East India Indigo when compared with the Spanish. Mr. Taylor did ascertain that the former yielded more colour for the same money at the current prices than the latter by above one fourth. In a paper I believe by M. D'Ijonval these experiments are quoted in a note as made by Le Chevalier Charles Tadkos celebre manufacturier de Manchester.

From Mr. Hallet's discoveries the last volume of which was published in 1736 Dr. Priestley has extracted for himself and quoted what he deemed necessary on this question. I do not notice as part of the history of the question Materialism in England, the foreign atheistical publications, such as *Le Systeme de la nature* attributed to Mirabeau the father, *Le vrai sens du Systeme de l'univers* a posthumous work ascribed to Helvetius, *Le Bon Sens* by Meslier, and others whose titles do not now occur to me, because until within these few years, they were hardly known in England, and excited no discussion of the subject there, previous to the work of Dr. Priestley now under consideration.

The Doctor himself says in his preface to the disquisitions on matter and spirit, first published in 1777, that though he had entertained occasional doubts on the intimate union of two substances, so entirely heterogeneous as the Soul and the Body, the objections to the common hypothesis, did not impressively occur to him, until the publication of his treatise against the Scotch Doctors, which was in 1774. Those doubts indeed could hardly avoid occurring to any person who had carefully perused Hartley's

Hartley's Essay on Man, first published in 1749, and Dr. Law's appendix before mentioned in 1755.

Dr. Hartley has shewn with a weight of fact and argument amounting to demonstration, that all the phenomena of mind, may be accounted for from the known properties and laws of animal organization; and notwithstanding, that for some reason or other he has so far accommodated his work to vulgar prejudice, as to adopt the theory of a separate Soul, though in a very objectionable form, it is evidently a clog upon his system, and unnecessary to any part of his reasoning. Substitute PERCEPTION, and his theory is compleat. Nor indeed is it possible to reject this. Constant concomitance is the sole foundation on which we build our inference of necessary connection: we have *no* evidence of the latter, but the former. Perception manifestly arises from, and accompanies animal organization; the facts are of perpetual occurrence, and the proof from induction is compleat.

Hartley having laid a sufficient foundation to conclude (as Dr. Priestley has] done) that the natural appearances of the human system might be fully explained by means of Perception and As-

sociation, without the redundant introduction of the common hypothesis, Dr. Law a few years afterward compleatly proved to the christian world that though Life and Immortality were brought to light by the christian dispensation, the common theory of a separate immaterial and immortal soul, was not necessary to, or countenanced by the christian doctrine. Dr. Law seems by his preface, to have been fearful of the consequences of expressing the whole of his opinion on this abstruse subject, and confines himself in his appendix to the examination of the passages of Scripture usually referred to in favour of the Soul's immortality. This appendix I believe was first added to the *third* edition of his Considerations on the Theory of Religion, published in 1755.

Against Dr. Priestley, any ground of popular obloquy would be eagerly laid hold of by the Bigots of the day. The doubts expressed in the examination of Drs. Reid, Oswald, and Beattie, excited so much obloquy, as to render it necessary for Dr. Priestley to review his opinions, and renounce or defend them. The result was, the disquisition on matter and spirit, the first volume containing a discussion of the question of materialism, the second that of liberty and necessity.

In

In discussing the former hypothesis, Dr. Priestley denies not only the existence of spirit as having no relation to extension or space, but also the common definition of matter, as a substance possessing only the inert properties of extension, and solidity or impenetrability. The latter he defines in conformity with the more accurate observations of later physics, a substance possessing the property of extension and the active powers of attraction and repulsion, With Boscovich and Mr. Michell, he admits of the penetrability of matter, and replies to the objections that may be drawn from this view of the subject.

It must be acknowledged that highly curious as this preliminary disquisition is, it is not only unnecessary to the main argument, but leaves the definition of matter open to the question whether there be any substratum or subject in which the essential properties or powers of attracting and repelling inhere. That these powers really belong to matter, whatever else matter may be, is evident from the reflection of light, previous to contact with the reflecting substance and its inflection afterward from the electric spark, visible along a suspended chain,

from

from the phenomena of the metallic pyrometers, from the rain drop on a cabbage leaf, &c. And that matter is permeable, at least to light, is sufficiently evident from every case of tranparency. Still however it cannot consist of properties alone; a property must be the property of something. But the proper and direct train of argument in favour of materialism is, that every phenomenon from which the notion of a soul is deduced, is resolveable into some affection of the brain, perceived. That all thought, reflection, choice, judgment, memory, the passions and affections, &c. consist only of ideas or sensations, (i. e. motions within that organ) perceived at the time. Though, judgment, memory, being words, denoting different kinds of internal perceptions, relating only to, and consisting of, ideas and sensations.* That sensations and ideas themselves,

* A *Sensation* is an impression made by some external object on the Senses; the motion thus excited is propagated along the appropriate nerve, until it reaches the Sensory in the Brain, snd it is there and there only, felt or *perceived*.

An *Idea*, is a motion in the Brain, excited there either by the laws of association to which that organ is subject, or by some accidental state

selves, arise only in consequence of the impressions of external objects on our senses, which impressions are liable to be recalled afterward by the recurrence of others with which they were originally associated, agreeably to the necessary and inevitable law of the animal system. That this is evident in as much as there can be no ideas peculiar to any of the senses where there is a want of the necessary bodily organ, as of hearing, sight, &c. inasmuch as all these ideas commence with the body, grow with its growth, and decrease with its decline. That they can be suspended, altered, destroyed, by artificial means, by accident, by disease. That all these properties of mind, viz. thought, judgment, memory, passions, and affections, are as evident in brutes as in men; and though the degree be different, it is always accompanied with a proportionate difference of organization. That perception is clearly the result of organization, being always found with it, and never without it: as clearly so in other animals as

state of the system in general, or that organ in particular, without the intervention of an impression on the Senses ab extra as the cause of it. Such a motion being similar to a sensation formerly excited, and being also felt or perceived is the correspondent *Idea*.

as in the human species; and probably in vegetables though in a still lower degree.* That as all the common phenomena of mind, can be accounted for from the known facts of organized matter without the souls, and as none of them can possibly be attributed to the soul without the body, there is no necessity to recur to any gratuitous theory in addition to the visible corporeal frame. That the doctrine of the soul originated in ignorance, and has been supported by imposture; that it involves gross, contradictions and insuperable difficulties, and is no more countenanced by true religion than by true philosophy.

All this has been shewn with great force of argument and ingenuity by Dr. Priestley in these disquisitions, to which it may safely be affirmed nothing like a satisfactory answer has yet been given, or is ever likely to be given. True metaphysics, like every other branch of philosophy can only be founded

* Dr. Percival, Dr. Bell in the Manchester Transactions, and Dr. Watson in the last volume of his essays, have made this opinion highly probable. Many additional observations are to be found in Dr. Darwin's works. I consider it as a theory established.

ed on an accurate observation of facts, and as these become gradually substituted for mere names, our real knowledge will improve. It is to physiology perhaps that the question of the materiality of the human soul, and even that of liberty and necessity will owe the compleatest elucidation. Until medical writers brought into view the *facts* relating to animal life, the metaphysical disquisitions on these subjects were involved in an endless confusion of words without precise meaning, and almost always including in their definition a *petitio principii*. Indeed we are not yet fully apprized either in Law, Physic or Divinity any more than in Metaphysics, that the *species intelligibiles* of the old schoolmen, and the whole class of abstract ideas of the new schoolmen with Locke at their head, are not things, but names. They are not even either sensations or ideas; they are words, convenient indeed for classification, and used artificially like the signs of Algebra, but they have no archetype. This is a subject which will probably be better understood ere long by the labours of Mr. Horne Tooke.

Dr. Priestley therefore considered the question of a future state, as now rested on the basis which to a chris-

a christian is or ought to be perfectly satisfactory; on the promises and declarations of our Saviour, exemplified by his own resurrection from the dead. Indeed the circumstances of the whole question of futurity depending on the truth of the christian scriptures and on them alone, is calculated to give them a peculiar and inestimable value in the eyes of those who look forward with anxious hope* to a continued and

* There are some persons who do not seem to entertain this anxious hope. Mr. Gray the poet seems an instance, from the following passage in his ode Barbaras Ædes aditure mecum (Letters V. 2 p. 44) though I do not recollect that the sentiment has been noticed before.

Oh ego felix, vice si (nec unquam
Surgerem rursus) simili cadentem
Parca me lenis sineret quieto
Fallere Letho.
Multa flagranti radiisque cincto
Integris, ah quam nihil inviderem,
Cum Dei ardentes medius quadrigas
Sentit Olympus!

I wonder whether Gray ever perused the following lines written by his friend and Biographer the Revd: Mr. Mason.

Is this the *Bigot's* rant? Away ye vain!
Your hopes your fears, in doubt, in dulness steep!
Go sooth your souls in sickness, grief, or pain,
With the sad solace of, *eternal sleep*.

Yet

and more perfect state of existence after death. Nor is it of any consequence to the christian, that the manner how this will be effected is not plainly revealed; for it is sufficient that the Being who first gave animation to the human frame, will at his own time and in his own manner for the wisest and best of purposes, again exert the same act of almighty power in favour of the human race, and in fulfillment of his promise through Jesus Christ. Such at least was

Yet know ye Sceptics, know, the Almighty mind
Who breath'd on man a portion of his fire,
Bad his free soul by earth nor time confin'd
To heav'n, to immortality aspire.
Nor shall the pile of hope his mercy rear'd,
By vain philosophy be e'er destroy'd;
Eternity! by all or wish'd or fear'd,
Shall be by all, or suffer'd or enjoy'd.

Mason.

It is still more singular that Dr. Beattie with all his professions of christianity, should not have been aware of the atheistical complexion of the following passage in his "Hermit."

Nor yet for the ravage of winter I mourn,
Kind nature the embryo blossom shall save;
But when shall spring visit the mouldering urn!
Oh, when shall it dawn on the night of the grave!

was the view of the subject habitually entertained by our author.

Indeed, the natural evidences of a future state were never conceived by any reasonable defender of the doctrine, to be of themselves satisfactory and conclusive.* They were never deemed of more value than to produce a *probable expectation* of a state of future rewards and punishments, and they are certainly contradicted by the known facts relating to the origin, the growth, and decline of the human faculties. Bishop Porteus has collected these arguments, and stated them with as much force as his moderate abilities would permit; but by far the best summary of what has been urged on this as well as on almost every important question of morals and metaphysics, will be found in Mr. Belsham's Elements of the Philosophy of Mind. An excellent compendium, by a gentleman, to whom next to Mr. Lindsey, Dr. Priestley

* Dr. Priestley in his observations on the increase of infidelity published at Northumberland, has a passage which would seem to intimate that a future state might be clearly made out by the light of nature (p. 59, 60) but this is certainly inadvertency, and by no means conformable to his constant, deliberate, sentiments on that subject as expressed particularly in his Institutes.

Priestley appears to have been more attached than to any other.

The SECOND part of the Disquisitions on Matter and Spirit, contains a discussion of the long contested and confused question of Liberty and Necessity.

Dr. Priestley is right in his opinion that this question was not understood by the ancients, nor perhaps before the time of Hobbes. Long ago it appeared to me, that the only writer among the schoolmen who had touched upon it, was Bradwardine in his Book De causâ Dei, which I regret that I have no opportunity of consulting here. Many of his observations are extracted by Toplady in his treatise on Liberty and Necessity, and in his life of Zanchius; but Toplady like Edwards, did not completely understand the question; they connected the doctrine of necessity with all the bigotry of Calvinism.

Hobbes in his Leviathan, and in his reply to Bramhall on liberty and necessity in his Tripos, first truly stated the subject, and shewed that the question was, not whether we can do what we will, but whether the will itself, (i. e. choice, preference, inclination, desire, aversion,) is not inevitably determined by motives not in the power or controul of the agent.

Hartley's book, however, shews, or rather leads to the conclusion, that these motives are twofold, *ab extra* and *ab intra*. The action depending on the compound force of the motives ab extra, and the physical state of the animal organs at the moment. For the latter is frequently of itself an immediate cause of voluntary action.

But previous to Dr. Hartley's great work, the question of liberty and necessity had been discussed between Collins and Clark, and Clark and Leibnitz.* Collins's Philosophical inquiry into human liberty, first published in 1715 was the only book on the subject worth reading between the times of Hobbes and Hartley, and a masterly and decisive work it is. This appears to have been translated and repeatedly printed on the continent; Dr. Priestley, who republished it in London, mentioning a second edition in 1756 at Paris, and a third edition when he was there

* I do not find that the controversy about the Soul occasioned by the publications of Blount, Coward, Dodwell, &c. involved the question of Liberty and Necessity, though they touch so nearly. It escaped me a few pages back, that Dr. Coward, was also the author of "Second Thoughts concerning the human Soul." (Estibius Psycalethes) as well as of the Grand Essay.

there in 1774. The controversy was kept alive in Collins's life time by Leibnitz; but he like Dr. Edwards who afterwards wrote in defence of the same side of the question in his treatise on Free will, was too much given to expand his ideas, and obscure the sense by the multiplicity of words which he used to express it. The letters of Theodicée contain many passages well conceived, but the book is insupportably tedious. Hobbes could condense more argument and information in a page, than would serve Leibnitz for a volume.

To this treatise of Collins, plainly and popularly written, no sufficient answer was or could be given. It must have satisfied the mind of every reader capable of understanding the question, though it omitted to notice many objections which were afterwards taken up and fully answered by Dr. Priestley. Collins in his preface takes pains to have it understood that he writes in defence of *moral* necessity only, and not of *physical* necessity. A distinction without a difference, though taken by all who have succeeded him.

I do not dwell on the controversy between Jackson on the one side in defence of human liberty, and

Gordon and Trenchard in Cato's letters, because little was added to the sum of knowledge, on either side. Jackson had learning and industry, but he did not understand the question, and had no pretensions to that species of distinguishing acuteness, so necessary to a good metaphysician.

Dr. Priestley, following the enlarged and cheering views of the future happiness of all mankind, first connected by Hartley with this question, shews completely that the doctrine under consideration has nothing to do with the strict calvinistic hypothesis. That it is sufficiently conformable to popular opinion. That it is the only practical doctrine which in fact is, or indeed can be acted upon with respect to the application of reasoning and argument, reward and punishment. That the formation of character and disposition, the actual inferences we make from, and the dependence we place upon them, rest entirely on the truth of this opinion. That from the nature of cause and effect, every volition must be the necessary result of previous circumstances. That the *scientia contingentium*, the great and insuperable difficulty of God's pretended foreknowledge of uncertain events, can on no other hypothesis be avoided, and that the

doctrine

doctrine of necessity is perfectly consistent with the great plan of divine benevolence, in the present state, and future destination, of the human race.

These subjects called forth remarks by Dr. Price, Mr. Palmer, Mr. Bryant, Dr. Kenrick, Mr. Whitehead, Dr. Horseley and others; to all of whom, anwers were given by Dr. Priestley.

The controversy with Dr. Price is a pleasing specimen of the manner in which an important subject can be amicably discussed between two friends, and made interesting too, by the manner as well as the matter, without any thing of that "seasoning of controversy" which Dr. Horsely afterward thought so necessary to keep alive the public attention, and which he strews over his polemics with so unsparing a hand. The Bishop had not yet however adopted that stile of arrogance by which he has since been so disgracefully distinguished; and it is to be regretted for the sake of his own character as a gentleman and as a writer, that he adopted it at all. Dr. Horsely should recollect, that those who emulate the insolence of Warburton ought at least to give proofs of equal learning and acuteness; and that bigotry and intolerance in defence of opinions which, though a man may

profess to believe, he can hardly profess to understand, will do no credit to his religious, his moral, or his literary character in the present state of knowledge. But character as a writer, may be a secondary consideration, to one who is determined to verify the saying, that godliness is great gain.*

It has been a misfortune to this question, that it has seldom been treated by persons who knew any thing of the organization or physiology of the human frame; and that it has been complicated with all the prejudice arising from the theological tenets of those who opposed the doctrine of necessity. Every physician knows, though metaphysicians know little about it, that the laws which govern the animal machine, are as certain and invariable as those which guide the planetary system, and are as little within the controul

* Dr. Horsley's polemic strictures on Dr. Priestley's writings, exhibit a singular compound of insolence and absurdity. But he is contented, I presume, if he rises in the church, as he sinks in reputation. Some of his opinions are truly diverting. His theory of divine generation by the Father contemplating his own perfections, and his grave suggestion of the three persons of the Godhead meeting together in consultation, stand a fair chance of being noticed by some wicked wit, who may wish to expose the infirmities of orthodoxy real or pretended.

controul of the human being who is subject to them. Every sensation therefore, and every idea dependent on, or resulting from the state of the sensory, is the necessary effect of the laws of organization by which that state was produced. But we neither have nor can have any sensation or any idea, but what is so dependent, or but what thus results; for we can neither feel nor think without the brain. The words we use for the Phenomena termed mental, are mere terms of classification and arrangement of the sensations and ideas thus produced, and their combinations. Hence it follows, that all these phenomena depend on the laws which regulate the animal system, and are the necessary, inevitable result of those laws. The obscurity which has enveloped this question, has arisen from want of due attention to that state of mind (or rather of body) which we call, the will; and from the power that animals seem to have over the voluntary muscles. But every Physiologist knows that the state of the system which calls into action the voluntary muscles, that is, a state of want, desire or inclination, whether to act or to abstain, is the result of previous circumstances to which the animal is exposed; and the action of the voluntary muscles, is equally

the result of necessary laws, as those of the involuntary.

The great object of terror to the Divines in this question about Necessity, was the consequence resulting, that God is the author of Sin. Many and subtile were the distinctions made upon this subject by the necessarian theologists among the schoolmen, and down to the middle of the seventeenth century. Richard Baxter the peace-maker, in his Christian Directory, his Catholic Theologie and some other works, has briefly reviewed them all, and as usual distinguished upon them so acutely, that what was not quite clear before, he has most effectually obscured. The prevailing opinion, however, seems to have been, not that God permitted the sinful act (for the reply was unanswerable, that God must be considered, as willing that which he does not prevent when he can,) but that God, in the common course of nature as pre-ordained by him, permitted the action itself to come to pass, but not the intention or quo animo of the actor, in which the sin consists; or as Gale expresses it in the quaint language of the time, it is "God's pre-determinate concurse to the entitative act."

Indeed,

Indeed, I do not see with the orthodox notions then prevalent, how it was possible on the hypothesis of God's foreknowing and pre-ordaining all that comes to pass, to avoid considering God Almighty as the author of Sin; and to feel repugnance toward a system, which makes the deity inflict eternal punishment on a creature, whose actions he might have controuled, and whose existence he could have prevented. Such manifest injustice might be viewed without horror, by the brutal bigotry of Calvin, but the tenets that drew after them such a consequence, could not be adopted without hesitation and regret, by any, but the most thorough going, unfeeling zealot.

Origen's doctrine of Universal Restitution, was first advanced in England (so far as I know) by Rust, Bishop of Dromore, and Jeremy White, who I believe had been Chaplain to Cromwell. Since that, the labours of Stonehouse, Petitpierre, Newton, Winchester, Chauncey and Simpson, have furnished ground enough for us to adopt it as the doctrine of scripture as well as of common sense. By connecting this doctrine with that of necessity, Dr. Hartley and Dr. Priestley have been enabled to give a full and satisfactory

factory reply to all the objections that can be drawn from the theory of necessity, making God the author of Sin. Indeed, unless God's foreknowledge be denied, the same difficulty must occur on either scheme: for he has knowingly and voluntarily adopted a system, in which the existence of evil if not necessary, is at least undeniable.

Granting the goodness of God, it follows acoording to Dr. Priestley, that he has adopted that system which is most conducive to general, and individual happiness upon the whole; and that the moral evil of which for the best purposes he has permitted human creatures to be guilty, and the physical evil, which here or hereafter will be the inevitable consequence of that conduct, are necessary to produce the greatest sum of good to the system at large, and to each human being individually, considering the situation in which he has been necessarily placed in respect to the whole system. Indeed, moral evil is of no farther consequence than as it produces physical evil to the agent, or to others. And as we see in the system of inanimate nature, that general good is the result of partial and temporary evil, and that though the one follows necessarily from general laws as the result

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of the other, the good manifestly predomninates, so in the moral system, we have a right from analogy to predict, that good will be the ultimate result of the apparent evil we observe in it: that we shall be the wiser for knowing what is to be avoided; the better for corrected dispositions; and that the power, and the wish to receive and communicate happiness, will be enlarged through each successive stage of our existence, by the experience of those that have preceded. So at least thought Dr. Priestley.

Leibnitz states some of these ideas with great force in the following passage, which I am tempted to transcribe entire from his *Essais de Theodicèe; sur la Bontè de Dieu, la libertè de l' homme, et l'origine du mal*, first published in 1710. (Prem. partie Sec. 7, 8, 9.)*

Accord-

* *Dieu* est *la premiere Raison des choses:* car celles qui sont bornèes, comme tout ce que nous voyons et experimentons, sont contingentes, & n'ont rien en elles qui rende leur existence necessaire; ètant manifeste que le tems, l'espace & la matière unies & uniformes en elles-mèmes, & indifferentes à tout, pouvoient recevoir de tout autres mouvemens & figures, & dans un autre ordre. Il faut done chercher *la raison de l' existence du monde*, qui est l'assemblage entier des choses *contingentes:* & il faut la chercher dans *la substance qui porte la raison*

According to this opinion of Leibnitz, the operative motive in the choice of the present system being the attribute of Benevolence in the Almighty, the existence

raison de son existence avec elle, & laquelle par consequent est *necessaire* & éternelle. Il faut aussi que cette cause soit *intelligente :* car ce Monde qui existe étant contingent, & une infinité d'autres Mondes étant également possibles & également prétendans à l'existence, pour ainsi dire, aussi bien que lui, il faut que la cause du monde ait eu égard ou relation à tous ces Mondes possibles pour en déterminer un. Et cet égard ou rapport d'une substance existante à de simples possibilités, ne peut etre autre chose que *l'entendement* qui en a les idées ; & en déterminer une, ne peut etre autre chose que l'acte de *la volonté* qui choisit. Et c'est *la puissance* de cette substanee qui en rend la volonté efficace. La puissance va à l'*etre,* la sagesse ou l'entendement *au vrai,* & la volonté *au bien.* Et cette cause intelligente doit etre infinie de toutes les manieres, & absolument parfaite *en puissance,* en *sagesse* & en *bonté,* puisqu'elle va à tout ce qui est possible. Et comme tout est lié, il n'y a pas lieu d'en admettre plus d'*une.* Son entendement est la source des *essences,* & sa volonté est l'origine des *existances.* Voilà en peu de mots la preuve d'un Dieu unique avec ses perfections, & par lui l'origine des choses.

8. Or cette suprême sagesse jointe à une bonté qui n'est pas moins infinie qu'elle, n'a pu manquer de choisir le meilleur. Car comme un moindre mal est une espece de bien ; de même un moindre bien est une espece de mal, s'il fait obstacle à un bien plus grand : & il y auroit quelque chose à corriger dans les actions de Dieu, s'il y avoit moyen de mieux faire. Et comme dans les Mathématiques, quand il n'y

ence of all that we term *evil*, is with respect to him, and his preordination of it, *good*; for the whole intention and motive of its permission is founded in perfect goodness

n'y a point de *maximum* ni de *minimum*, rien enfin de distingué, tout se fait également; ou quand cela ne se peut, il ne se fait rien du tout; on peut dire de même en matière de parfaite sagesse, qui n'est pas moins reglée que les Mathematiques, que s'il n'y avoit pas le meilleur (*optimum*) parmi tous les Mondes possibles, Dieu n'en auroit produit aucun. J'appelle *Monde* toute la suite & toute la collection de toutes les choses existantes, afin qu'on ne dise point que plusieurs Mondes pouvoient exister en differens temps & differens lieux. Car il faudroit les compter tous ensemble pour un Monde, ou si vous voulez pour un *Univers*. Et quand on rempliroit tous les tems & tous les lieux; il demeure toujours vrai qu'on les auroit pu remplir d'une infinité de manieres, & qu'il y a une infinité de Mondes possibles, dont il faut que Dieu ait choisi le meilleur; puisqu'il ne fait rien sans agir suivant la suprême Raison.

9. Quelque adversaire ne pouvant répondre à cet argument, répondra peut-être à la conclusion par un argument contraire, en disant que le Monde auroit pu être sans le peché & sans les souffrances: mais je nie qu'alors il auroit été *meilleur*. Car il faut savoir que tout est *lié* dans chacun des mondes possibles: l'Univers, quel qu'il puisse être, est tout d'une pièce, comme un Ocean; le moindre mouvement y étend son effet à quelque distance que ce soit, quoique cet effet devienne moins sensible à proportion de la distance, de sorte que Dieu y a tout reglé par avance une fois pour toutes, ayant prévu les prières, les bonnes & les mauvaises actions, & tout le reste; & chaque

chose

goodness guided by perfect wisdom. With respect to the finite beings, by whom evil is permitted to take place, there can be no doubt on this scheme, but the balance of existence will be happiness even to them, whenever by proper discipline they are fitted to enjoy it. Perhaps it may be doubted without infringing on the reverence due to the supreme disposer of all events, whether it would be consistent with his justice, knowingly and voluntarily to bring into existence, a sentient being, destined to be permanently miserable.

The question of Materialism, has been discussed since the disquisition of Dr. Priestley, by Mr. Cooper, who adopts the same side. Dr. Ferriar of Manchester, has rendered it dubious how far the sentient principle ought to be confined to the brain, though the facts he adduces, apply with equal force against the

chose a contribué *idéalement* avant son existence a la resolution qui a été prise sur l'existence de toutes les choses. De sorte que rien ne peut etre changé dans l'Univers (non plus que dans un nombre) sauf son essence, ou si vous voulez, sauf son *individualité numerique*. Ainsi, si le moindre mal qui arrive dans le Monde y manquoit, ce ne seroit plus ce Monde; qui tout compteé, tout rabattu, a été trouvé le meilleur par le Créateur qui l'a choisi.

the common hypothesis of a separate soul, acting by means of the body. The doctrine of Necessity has been opposed by Dr. Gregory of Edinburgh, but with a weakness of argument, and a petulance of language, that places his work in the lowest rank among the writers who have adopted the same side of the question. It hardly deserved the notice of so good an advocate as Dr. Crombie, who has been the latest author on the subject.

Indeed, the question must now be considered as settled; for those who can resist Collins's philosophical enquiry, the section of Dr. Hartley on the Mechanism of the mind, and the review of the subject taken by Dr. Priestley and his opponents, are not to be reasoned with. *Interest reipublicæ ut denique sit finis litium*, is a maxim of technical law. It will apply equally to the republic of letters; and the time seems to have arrived, when the separate existence of the human soul, the freedom of the will, and the eternal duration of future punishment, like the doctrines of the Trinity, and Transubstantiation, may be regarded as no longer entitled to public discussion.

It is for this reason that I have paid no attention to the hypothesis of the Scotch Doctors, Reid, Beattie and

and Oswald, and have given no detailed account of Dr. Priestley's examination of their writings. Indeed the perfect oblivion into which these writers have fallen, and the utter insufficiency of such young gentlemen and lady's philosophy as they have adopted, has secured them from further animadversion. The facility with which ignorance can refer all difficulties relating to the phenomena of mind, to instinctive principles and common sense, might answer the purpose of popular declamation for a while, but it could not last; and these writers have fallen into merited obscurity, notwithstanding the national prejudice in favour of each other, so prevalent among the Literati of North Britain.

Some passages in Dr. Reid, however ought to exempt him from the contempt which is due to the common system advanced by him and his coadjutors: and his last book on the Active powers of man, is a work of undeniable merit on a very important subject, which has not yet been discussed with half the labour it so eminently deserves. The Synthesis and Analysis of our ideas, the history and process of their formation, and the detail of facts attending and connected with their rise and progress, is comparatively

tively a new subject. Des Cartes, Buffier and Condillac among the French, Locke, Berkeley and Hartley among the English, and Hume, Reid, and Adam Smith among the Scotch, are almost the only authors worth notice who have treated it expressly, and most of them only partially.* Something may be found to the purpose in Hobbes, and in the first part of Dr. Priestley's examination of Reid, Oswald and Beattie, and more in the first volume of Zoonomia, § 14 and 15.† The common sense of Dr. Reid and Co. seems to have been employed as the *clavis universalis on* this subject by Buffier, in his "First Truths." Hutcheson's theory of the Moral Sense hardly merits notice, nor does that of Dr. Price promise to add much to the stock of real knowledge. We have had enough (*sat superque*) of occult principles, innate principles, and instinc-

* Dr. Dugal Stewart in Scotland, and the Revd. Mr. Belsham in England, have published Elements of the Philosophy of the mind, the first inclining to the Scotch School of Metaphysics, the latter to the System of Hartley; both of them of merit in their way, particularly (as I think) that of Mr. Belsham.

† I cannot help thinking Dr. Darwin's obligations to Dr. Hartley and Dr. Brown ought to have dictated more acknowledgement than he has condescended to make.

instinctive principles, which illustrate nothing, but the ignorance of those who employ them.

For my own part, I am persuaded that no Theory of the mind can be satisfactory, which is not founded on the history of the Body. I know of no legitimate passport to Metaphysics but Physiology. Hence I cannot estimate highly the writings of the Scotch Metaphysicians. There is one other feature also common to this School, which satisfies me of their incompetence to this subject; their slight notice, and ambiguous approbation of a man so superior as Dr. Hartley, and their utter ignorance or neglect of the theory he has advanced. On every subject relating to the phenomena of mind, Dr. Hartley's book must be adopted as the ground work of the reasoning, or his principles must be previously and distinctly confuted.*

There

* Dr. Reid in his last work has given a critique on Dr. Hartley's theory without understanding it, or even touching on the important points. That theory in substance is this: an external object (a peach for instance) makes an impression at once, on our organs of feeling, of sight, and of taste. The impression thus made on the extreme end of the appropriate nerve, is propagated by some species of motion along

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The Metaphysics of the present day require also, a more accurate attention to the Theory of Grammar than has hitherto been paid by writers on the subject.

the course of the nerve up to the brain, and there, and there only, perceived; for if the nerve be cut, or tied, or palsied, in any part of its course, the impression is not perceived. Motions in the brain thus produced, and perceived, are *sensations*: similar motions arising, or produced without the impression of an external object, are *ideas*. These impressions being in the instance given, simultaneous or nearly so, are associated, so that the sensation produced by the sight of a peach, will give rise to motions in the brain similar to those produced at first by the taste and the touch of it: i. e. it will suggest the *ideas* of taste and touch, and excite the inclination to reach and to eat the object of them. Hence sensations, ideas, and muscular motions are associated together and mutually suggest and give rise to each other. What species of motion it is, with which the nervous system is affected in this process, or whether Sir Isaac Newton's Æther, or its modern substitute the electric fluid, has any thing to do with it or not, is no essential part of the theory, and may be adopted or rejected without prejudice to the main system. Some kind of motion there manifestly is; I think it *demonstrable* that it is vibratory; but of whatever kind it be, its existence in the brain is unquestionable; and the association and catenation of individual motions in the brain according to certain laws, is equally so. This is matter of fact, and it was Dr. Reid's business if he could, to shew that neither the motions, the perceptions, or the associations took place in that organ. The general law is expressed by Hartley Prop. 20. Cor. 7.

ject. Perhaps I do not assert too much in saying that we have had no grammarians worth notice, none who have thrown light on the principles of Grammar, but Locke and Horne Tooke. What dreadful confusion has arisen from treating words denoting what are called abstract ideas, as if they were the exponents of real individual existence? Whereas they are merely signs of artificial classification without any individual archetype. For instance in relation to the present subject, what volumes of laboured and learned trifling have been written on the *Will*, the *Judgment*, the *Understanding* and the other faculties as they are called, of the soul! Yet nothing is more certain than that the will, the judgment, the understanding, &c. have no existence: they are words only, the counters employed in reasoning, convenient signs of arrangement, like the *plus* the *minus* and the *unknown quantity* in Algebra, but no more. The time however is approaching, when Metaphysics will take rank among the Sciences that lay claim, if not to absolute demonstration, yet to an approximation to certainty sufficient for all the purposes of ethical reasoning, and all the practical duties of human life.

APPENDIX, NO. 3.

Of Dr. Priestley's Political Works and Opinions.

DR. PRIESTLEY'S literary character may be viewed in the different lights of a natural philosopher, of a metaphysician, of an ecclesiastical historian, of a defender of religion in general, and of unitarianism in particular, and as an author in the wide field of miscellaneous literature. But there is another aspect in which he may be considered; the result of a few pages indeed, but of equal importance in my opinion with any or with all of these, viz. as a writer on the theory of politics: a subject in which the developement of a simple truth in such a manner as to impress it on the mind of the public, may influence to a boundless extent the happiness of millions. I well know the obloquy and the sarcasm attached to political reformers, and I am ready to acknowledge, it is possible that the melancholy theories of the present day, which judge of the future lot of mankind upon earth, from the history of past facts, may be too well founded; that war, pestilence and famine, and vice and misery in all its hideous forms may be necessary to

counteract the over increase of the human species, and make up for the difference between the arithmetical progression of subsistence, and the geometrical ratio of accumulating population.* Still the philosopher will have motives to labour in devising methods for the diminution and the cure of moral and physical

* The objections to the progressive amelioration of the state of mankind are fully and forcibly stated in that important work of Dr. Malthus, the Essay on Population. But I am well persuaded that much good may be brought about, without danger of too great population, by gradually putting in practice well founded theories of political reform. I say gradually, for I am no friend to sudden, extensive and violent innovations. I wish this very important book of Dr. Malthus were well answered, for I cannot help thinking it will admit of a reply favorable in a high degree to the schemes of those writers whom it is written to expose. Some few ideas I have suggested in the text, that to me make the prospect more consoling than it would appear from an implicit confidence in the pictures delineated by his sombre pencil.

Dr. Darwin (Temp. of Nat. quarto p. 159) has nearly the same thought with Malthus.

> Human progenies, if unrestrain,d,
> By climate friended, and by food sustain'd,
> Oer seas and soils, prolific hordes! would spread,
> Erelong, and deluge their terraqueous bed:
> But war, and pestilence, disease and death,
> Sweep the superfluous myriads from the earth.

cal evils, at least as well founded as those of a patient, who reasonably applies the known remedies for the disease by which he is oppressed. The quantum of evil required to effect the necessary depression of encreasing numbers, is not yet ascertained; but it is fully and completely ascertained by the melancholy pages of history for these two thousand years, that far more evil has been inflicted on the human race from their ignorance of the means of preventing it, than would suffice for the purpose; and that the inhabitants of the earth have been thinned far indeed beyond the required number of comfortable subsistence. What country is, or ever yet was, so far as we know, so fully populated as not to be, and to have been, capable of sustaining many more than ever lived upon a given extent? At what period of history might not the resource of colonization have been resorted to? When and where has the theory and the practice of agriculture, and the economy of produce been perfected? What nation has not been *depopulated* in its turn, by wars of interest, of ambition, of folly, of ignorance, and of pride? In what country has not the natural tendency to improvement, and to the support of multitudes been

kept back, by causes depending solely on the political ignorance of its inhabitants? Should population be excessive five hundred years hence, it is fair to presume that the encreased knowledge of the day will be adequate to the evil; and if not, those who suffer, will at least be far more competent to the remedy than we can be. To them let us leave it. At present, the earth does not support above a tenth of the human creatures that might find subsistence by its cultivation, and yet we are the daily victims of all the miseries that flow so plentcously from the wretched maxims of government to which the nations of the earth submit.

The arguments of these disconsolate philosophers may be urged any where, at any time, under any circumstances, with equal propriety. However imperfect the state of any civil community may be, the reformers are always liable to the objection, that let them do their best, the evils inevitably attendant on human nature, will ultimately counteract their efforts. It is the unanswerable argument of sloth against industry: why take so much trouble for convenience and comfort, when the same labour will be equally necessary to morrow as to day in despite of all your pains?

But

But if the given state of human affairs will obviously admit of improvement, there is a justifiable motive for a friend of mankind to labour for the public good. Is it not evident for instance, that a greater mass of human happiness might be condensed on the same space, by changing the inhabitants from a horde of indian savages to a populous and well regulated community, proportioned in numbers to the fertility and extent of the territory assigned to them? So in the civilized countries of Europe, if the poor could be better taught, and better fed, and better cloathed, and better attended in pain and sickness, would not the quantum of human happiness be increased, even suppose the numbers continued the same? If in one state of things, the given term of life of any individual be 60 years for instance, and the amount of pain he should endure be expressed by 10, would not the sum of misery be lessened by lessening the amount of pain 5 or 6 degrees out of the 10? Yet the dreadful mischiefs of superabundant population would not be increased one jot by such an operation. The best cultivated countries upon earth have not yet arrived at their maximum of population. Of Great-Britain at least a third is uncultivated: and of

the parts under actual cultivation a very small proportion indeed is so well managed, as to exclude future improvement: what a difference between the four crops a year of the gardener, and the single crop of the farmer? It is by no means ascertained either, what produce is the best calculated to afford the greatest nutriment, conjointly with the most pleasurable sensations when taken as food. When we have obtained the produce, the art of cookery is yet in its infancy, and the same quantity may be made to go much farther as a pabulum to the human frame, than the present state of culinary practice will admit of. Let all these improvements be exhausted, still a well regulated system of gradual *colonization* is a resource competent to the wants of future centuries; and should that fail, some obstacles to the facility of marriage, and some restriction to the numbers of offspring by milder means than exposure like the Chinese, or infanticide like the Lacedemonian practice, might furnish an effectual remedy to any extent. So that the way is not difficult to be traced by which the bugbear of overpopulation may be counteracted by less violent and abominable remedies than are usually applied by the tyrants of the earth. We may effect in so-

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cieties what we aim to effect among individuals: Sickness is an evil, but we have already in many instances lessened its pain, its duration and its danger: Death is an evil, but knowledge and foresight may in many cases introduce it without pain, as the result of natural decay instead of the physical misery attendant upon our existence, so often and so unnecessarily suffered by myriads of the human race. In like manner may the evil of overpopulation be counteracted, without the necessary recurrence either to vice or to misery; and without the dreadful instrumentality of political despotism.

If the evils we endure are necessary parts of the system of nature, the remedies of which we are permitted to be apprized, are necessary parts of the same system; for the one and the other are equally embraced within its plan. If we see from the experience of ourselves and others, and if we are taught by the general tenor of history, that misery is the result of ignorance, knowledge is the obvious remedy; and we have good reason *a priori* to believe it will be effectual, or the gradual means of acquiring and increasing it, would not be placed within our reach. Wretched as the present state of civil socie-

ty is in many respects, no man conversant with the facts of past times, can doubt, but that the state of society in Europe four of five centuries ago was still worse. The dispositions of the mass of mankind were more ferocious, their manners more untamed, the comforts of life more rare, and the sources of pleasureable intercourse, and mutual improvement much fewer than at present. All the good that has been done, has been the fruit of increased knowledge, and there evidently is great room for present and future improvement in spite of the modern despondency of political economists; and though perfection be not attainable, we can as yet set no bounds to approximation: nor are we warranted in believing that any well aimed endeavour to ameliorate the condition of society will be entirely lost. Enough still remains to animate the philanthropist: let us fight with the evils of our own day, and leave posterity to follow the example we set, and maintain the combat until hope forsakes them.

The doctrines of the perfectibility of the species, or at least its continually encreasing tendency to improvement, and to happiness, which Franklin and

Price,

Price, and Condorcet and Godwin have lately supported, was advanced prior to their intimations of this cheering theory, by Dr. Priestley in the outset of his treatise on civil government, first published in 1768, and I shall quote the passage that gave rise to the preceeding observations.

"Man derives two capital advantages from the superiority of his intellectual powers. The first is, that, as an individual, he possesses a certain comprehension of mind, whereby he contemplates and enjoys the past and the future, as well as the present. This comprehension is enlarged with the experience of every day; and by this means the happiness of man, as he advances in intellect, is continually less dependent on temporary circumstances and sensations."

"The next advantage resulting from the same principle, and which is, in many respects, both the cause and effect of the former, is, that the human species itself is capable of a similar and unbounded improvement; whereby mankind in a later age are greatly superior to mankind in a former age, the individuals being taken at the same time of life. Of this progress of the species, brute animals are more incapa-

incapable than they are of that relating to individuals. No horse of this age seems to have any advantage over other horses of former ages; and if there be any improvement in the species, it is owing to our manner of breeding and training them. But a man at this time, who has been well educated, in an improved christian country, is a being possessed of much greater power, to be, and to make, happy, than a person of the same age, in the same, or any other country, some centuries ago. And, for this reason, I make no doubt, that a person some centuries hence will, at the same age, be as much superior to us."

"The great instrument in the hand of divine providence, of this progress of the species towards perfection, is *society*, and consequently *government*. In a state of nature the powers of any individual are dissipated by an attention to a multiplicity of objects. The employments of all are similar. From generation to generation every man does the same that every other does, or has done, and no person begins where another ends; at least, general improvements are exceedingly slow, and uncertain. This we see exemplified in all barbarous nations, and especially in countries thinly inhabited, where the connections

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the people are slight, and consequently society and government very imperfect; and it may be seen more particularly in North America, and Greenland. Whereas a state of more perfect society admits of a proper distribution and division of the objects of human attention. In such a state, men are connected with and subservient to one another; so that, while one man confines himself to one single object, another may give the same undivided attention to another object."

"Thus the powers of all have their full effect; and hence arise improvements in all the conveniences of life, and in every branch of knowledge. In this state of things, it requires but a few years to comprehend the whole preceding progress of any one art or science; and the rest of a man's life, in which his faculties are the most perfect, may be given to the extension of it. If, by this means, one art or science should grow too large for an easy comprehension, in a moderate space of time, a commodious subdivision will be made. Thus all knowledge will be subdivided and extended; and *knowledge* as Lord *Bacon* observes, being *power*, the human powers will, in fact, be enlarged; nature, including both its materials,

and

and its laws, will be more at our command; men will make their situation in this world abundantly more easy and comfortable; they will probably prolong their existence in it, and will grow daily more happy, each in himself, and more able (and, I believe, more disposed) to communicate happiness to others. Thus, whatever was the beginning of this world, the end will be glorious and paradisaical, beyond what our imaginations can now conceive. Extravagant as some may suppose these views to be, I think I could show them to be fairly suggested by the true theory of human nature, and to arise from the natural course of human affairs. But for the present, I wave this subject, the contemplation of which always makes me happy."

Under these impressions Dr. Priestley sat down to investigate the principles on which governments *ought* to be founded, and by which their claims to public support and approbation ought to be tried.

Many works had been written (in England particularly) in favour of those forms and principles of government, that might operate as a check on the natural tendency of all monarchies to despotism, and on the inevitable encroachments of intrusted power.

The

The old writers on the English constitution Bracton and Fleta, hold sentiments on the constitutional rights of the Barons to interfere on occasions of royal misconduct, very hostile to the principles afterwards adopted.

Du Plessis Mornay in the *Vindiciæ contra tyrannos* (if that book be his) and Buchanan in his Dialogue *de jure regni apud Scotos* were strong advocates for the right of resistance. These tenets were supported with still more energy during the discussions that took place in the reign of Charles, 1st. when the speeches of the disaffected members in Parliament, the *Lex Rex*, and the *defensio populi* against Salmasius, brought the question of implicit obedience before the mass of the people in Great Britain, as well as before the literati of Europe. To these succeeded the writings of Milton, Harrington, and Sydney, of which the last were certainly a more compleat defence of republican government than either those of Milton or Harrington. Milton's was at best but a half way theory. Sir. Robert Filmer was too highly honoured by the replies of Sydney and of Locke.

The revolution of 1688, called forth Locke's famous

famous treatise on Civil Government, which is there considered as a *contract* between the Governors and the Governed: an erroneous notion, for it implies the previous independence of each of the contracting parties, whereas the governors are evidently no more than the agents or servants of the people, and paid for dedicating their time to those objects which the people at large are deeply interested in, but cannot attend to.

The same event produced the discussions between Locke and Hoadley on the one side, and Sherlock on the other. Hoadley was not only a strenuous and able defender of the principles of the revolution, but of the general doctrines of *toleration* in religious matters: a word much in vogue, but which would not have been used by any one who had studied the subject to the bottom. What obligation am I under to my neighbour for tolerating my opinions, if I tolerate his? No part of the question, whether of civil or religious liberty was well understood at that time, and the boldest of the advocates for the principles of that revolution, and the rights of conscience, were but timid defenders of the doctrines, they undertook to support. The parliamentary discussions, threw

no

no light whatever on the rights of the people; they were trammelled and reined in, by the forms of parliamentary proceedings, and the difficulty of making precedent coalesce with principle. Much however was done at that period of discussion, in favour of the people: the great event that produced the controversy, made every man alive to the subject; and the foundation was laid for the more accurate and enlightened ideas of after times.

From that time to the publication of Dr. Priestley on Civil Government, I do not recollect any author of note, but very many excellent observations were from time to time thrown out by the opposition leaders in parliamentary debates. These are well selected by Dr. Burgh, in his political disquisitions, a work of great merit, both in the design and execution; and which has contributed very greatly to open the eyes of the public, to the necessity of a parliamentary reform, and of making the pretended representation of the people in the lower house of parliament more efficient, and more truly what it now so falsely imports to be.

In the year 1768, about eight years before the assertion of American Independence Dr. Priestley published

lished his short "Essay on the first principles of civil government," in which he lays it down as the foundation of his reasoning, that "it must be understood "whether it be expressed or not, that all people live "in society for their mutual advantage; so that the "good and happiness of the members, that is the "majority of the members of any state, is the great "standard by which every thing relating to that "state must be finally determined. And though it "may be supposed, that a body of people may be "bound by a voluntary resignation of all their rights "to a single person or to a few, it can never be sup-"posed that the resignation is obligatory on their "posterity, because it is manifestly *contrary to the* "*good of the whole that it shall be so.*"

He divides his subject into *political liberty*, or the power which the people reserve to themselves of arriving at offices, and *civil liberty*, or the power which the people reserve over their own actions, free from the controul of the officers of government. The former he considers only (as it really is) in the light of a safeguard to the latter.

By this general maxim, that no principle of government can be considered as binding if it be manifestly

"contrary

"contrary to the good of the whole," he tests the expediency of hereditary sovereignty, of hereditary rank and privilege, of the duration of parliaments, of the right of voting, with an evident tendency to those opinions which later experience has sufficiently confirmed; and he expressly declares that "such "persons whether they be called kings, senators or "nobles or by whatever names or titles they be dis- "tinguished, are to all intents and purposes the *ser-* "*vants of the public*, and accountable to the people "for the discharge of their respective offices. If "such magistrates abuse their trust, in the people "therefore lies the right of deposing and consequent- "ly of punishing them." (P. 23 of 2nd edit.)

Elsewhere (p. 40) he says, "The sum of what "hath been advanced upon this head is a maxim than "which nothing is more true, that every go- "vernment in its original principles, and antecedent "to its present form, is an equal republic." These political principles that do so much credit to the strength of his mind, and to his foresight, were manifestly the result of his own reflections; for no one before him that I recollect, had taken up the question on the same ground. The plain and simple

principle which he adopts as the foundation of all his remarks, is so obviously and intelligibly true, that it gives a force and clearness to his reasoning which no other preceding writer* affords an example of. The Jesuits indeed had long before advanced the doctrine that all civil authority was derived from the people, for the purpose of applying the maxim in defence of their own king-killing principles, as appears from the collection of assertions made from their writings in 1757 by order of the parliament of Paris, and from the work of the Jesuit Busenbaum about the middle of the eighteenth century† condemned, a few years before that collection. But this doctrine was advanced by them in such a way as to do no service to mankind, and to bring them and their writings into deserved reproach.

It is to Dr. Priestley then that we owe (so far as my information extends) the first plain, popular, brief and

* Dr. Sykes the very able coadjutor of Hoadley, in his answer to the Nonjurors charge of Schism, upon the church of England, adopts a similar principle, but he does not treat the subject in the masterly manner of Dr. Priestley.

† See D'Alembert's account of the destruction of the order of Jesuits in France. Eng. trans. 12mo. p. 23. 139, &c.

and unanswerable book on the principles of civil government; and it has the more merit, as the experiments on government since made in America, had not then been thought of. The plainness, and simplicity of Paine's reasonings are not so much to be wondered at, as he had lived for some years in a country, where he had the successful facts under his eye, where the subject of politics, was the daily and hourly topic of conversation and discussion with man woman and child, where republican principles were almost universally adopted in theory, and had been found effectual in practice on a very large scale. These observations at least apply to his Rights of Man; neither do I wish to detract from the great merit of that admirable writer, either in respect of the work last mentioned, or his Common Sense; while society exists, they will be classic books on the theory of government.

Well is it for mankind, and with sincere and heart felt exultation do I write it, that such books have been composed and such experiments have been tried; and honourable is it to the character of this country, that the grand and simple truths, on which human happiness so materially depends, were first

seized on, comprehended, and put in force by the whole body of the people here, and that with a steadiness and success, that justifies the fondest hopes of the real friends of man. The political sophisms which despotism has forced upon the human understanding for so many centuries, and which have kept the human race in a state of comparative ignorance and misery, are now seen through; the light of knowledge has gone forth, liable no doubt to be obscured for a time, but hereafter to be extinguished never.

Indeed it was high time to try some new experiment in government; to put in practice some principle different from that which from the beginning of the world had until then been acted upon. From the melancholy page of history we learn that the favorite maxim so steadily adopted and practised by the rulers of the earth, that society was instituted for the sake of the governors, and that the interests of the many were to be postponed to the convenience of the privileged few, has filled the world for these two thousand years at least, with bloodshed, vice and wickedness from one end to the other: while long and melancholy experience has convinced us, that it is the invariable, essential, and natural character of power whether

whether entrusted or assumed, to exceed its proper limits; and if unrestrained, to divide the world into two casts, the masters and the slaves.

America has begun upon the opposite maxim, that society is instituted not for the governors but the governed; and that the interests of the few shall in all cases give way to the many: that exclusive and hereditary privileges are useless and dangerous institutions in society, and that entrusted authority, shall be liable to frequent and periodical recals. It is in America alone, that the sovereignty of the people, is more than a mere theory: it is here that the characteristic of that sovereignty is displayed in written constitutions; and it is here alone that the principle of federal union among independent nations has been fully understood and practised. A principle so pregnant with peace and happiness, as Barlow has fully shewn, that it may be regarded as among the grandest of human inventions. I throw out of consideration the antient as well as the modern communities ignorantly called republics, and I count nothing upon the federalism of the Grecian league. There has been no republic antient or modern until the American. There has been no federal union on

broad and general principles well understood and digested, until the American union. To a person conversant in antient history, and in the constitutions of this country, there is no need of any attempt to prove these positions. The guiding principle, that pervades every republic upon this continent, is that which Dr. Priestley has so happily adopted and so well explained, *the interest or good of the majority of the individuals composing each political community.*

After Dr. Priestley's work, the American war broke out, which gave rise to Dr. Price's tract on Civil Liberty, well meant and tolerably executed, but not carrying with it that simplicity, and conviction which attends the work of Dr. Priestley. I do not recollect any treatise published in England on the *principles* of government from that time, until a pamphlet of Dr. Northcote's, which attracted but little attention, though it had some merit. In America, the *Common Sense* and the *Crisis* of Paine, produced their full effect; but they were little read in England, or in the other parts of Europe. From thence until the French Revolution, nothing of moment appeared on the subject, unless we notice the commentary of the younger Mirabeau on the pamphlet

phlet of Ædanus Burke against the order of Cincinnati, the well known dialogue of Sir W. Jones, between a scholar and a peasant, and a short paper in the Manchester transactions on the principles of government, read in that society in 1787, and since republished with Cooper's reply to Burke.*

The

* Perhaps I ought not to have omitted the *Vindication of Natural Society* generally attributed, and I believe without dispute to Mr. Burke. This very eloquent and ingenious imitation of the stile of Lord Bolingbroke, whatever the prefatory pretences may be, carries within it, full and complete evidence that the author was in earnest and that the subject is treated *con amore*. It argues the preference of natural over artificial society, on the grounds furnished by the evils that have afflicted mankind, from monarchical and aristocratical ambition and despotism, and from the bondage we are kept under, by the Priesthood, and the Law. All these evils are pourtrayed in Mr. Burke's best manner. He may have been afterward warped by his interest, and driven to take the side of power by his ambition and his necessities, but when he penned the Vindication of Natural Society, he felt as he wrote, or there is no dependence to be placed on internal evidence. This small but valuable Essay is not inserted in any edition of his acknowledged works that I have heard of. When it was first published, I know not. The third edition printed for Dodsley is dated 1780. No collection of Burke's works I believe contains that fine specimen of indignant eloquence which closes the first volume of Burgh's political disquisitions, though it is known to be Burke's.

It

The French revolution whose commencement may be dated in 1789, has given rise to a discussion of the great questions relating to the rights of man, which however obscured by the temporary defection of that people, has fixt truth upon a basis too firm to be shaken, and too universal to be confined to one community.* But whatever were Dr. Priestley's theoretical notions of government, he never was an advocate for violent or precipitate reform. Like the generality of the English reformers, he contented himself with wishing in that country, for a more fair and adequate representation of the people in Parliament. His moderation on the subject of change is evident from his published sentiments already quoted p. 135.

To the same purpose is his advice to the students at

It may be worth while to mention that the late Lord Nugent, a most strenuous opposer of Parliamentary reform, was the author of the "Ode to Mankind" published by Dodsley in his miscellany.

* Among the works thus educed, the Essai sur les privileges, and the Qu'est ce que le tiers Etat of the Abbé Seyes, and Paine's Rights of Man are certainly the chief. There are some things very finely said on monarchy and hereditary privilege by Godwin, in his political justice, though the book is, in the main, a laboured and injudicious defence of school-boy paradoxes. I have already mentioned the very excellent writings of Barlow.

at the New College at Hackney, in his dedication to the Lectures on experimental philosophy.

"It may not be amiss, in the present state of things, to say something respecting another subject, which now commands universal attention. You cannot but be apprised, that many persons entertain a prejudice against this College, on account of the republican, and, as they choose to call them, the licentious, principles of government, which are supposed to be taught here. Show, then, by your general conversation, and conduct, that you are the friends of peace and good order; and that, whatever may be your opinions with respect to the best form of government for people who have no previous prejudices or habits, you will do every thing in your power for the preservation of that form of it which the generality of your countrymen approve, and under which you live, which is all that can be reasonably expected of any subject. As it is not necessary that every good son should think his parent the wisest and best man in the world, but it is thought sufficient if the son pay due respect and obedience to his parent; so neither is it to be expected that every man should be of opinion that the form of government under which he happens

happens to be born is the best of all possible forms of government. It is enough that he submit to it, and that he make no attempt to bring about any change, except by fair reasoning, and endeavouring to convince his countrymen, that it is in their power to better their condition in that respect, as well as in any other. Think, therefore, speak, and write, with the greatest freedom on the subject of government, particular or general, as well as on any other that may come before you. It can only be avowed tyranny that would prevent this. But at the same time submit yourselves, and promote submission in others, to that form of government which you find to be most approved, in this country, which at present unquestionably is that by *King, Lords, and Commons.*"

Conformably to these opinions given to others, he remained on his arrival in America, an advocate for moderate reform in the old country, though a decided republican in the new. Nor did he ever become a citizen of the United States, or abjure his allegiance to the King of England, ill as he thought of the measures of government, and of oaths of allegiance of all descriptions. His wishes and his conversation

versation always tended to impress the idea, that improvements in each country should gradually progress, according to the respective situations of each, and in conformity to the previous ideas respectively prevalent on the subject of government, among the better informed classes, and the spirit of the times.

In these opinions no friend of mankind will differ from him. If there be any fact better ascertained than another, it is that gradual and peaceable, is in all cases preferable to violent reform. A man may be too wise to do good. His ideas may extend so far beyond the prejudices and comprehension of the day, as to make them appear ridiculous, or to render them impracticable. Utopian, they will be called, according to the proverbial irony applied to Sir T. More's uncommon work of this description. Such theories may have their effect hereafter, but it may be the opposite of wisdom to attempt the practice of them in certain stages of society. On this rock M. Turgot split. This was foreseen and well understood by Dr. Priestley; and it is to the credit of his good sense as well as his moderation, that his advice and example were evidences of his being thus impressed.

Indeed

Indeed his opinions were in some instances, by no means coincident with the fashionable extent of republican doctrines. He was friendly to the Senate of the United States, as being a body more venerable and respectable than the House of Representatives: he favoured though not septennial which he thought too long, yet triennial or biennial elections rather than annual: he preferred the choice of officers to depend rather on electors chosen by the people, than immediately on the people themselves: and he was an advocate for a moderate degree of independence in the representative character; which he did not approve of being completely under the controul of popular irritation.

It is certainly true that some evils arise from too frequent elections; but as elections are managed in this country they are far from being troublesome though annual; certainly less so than if they were triennial. Were electors to be chosen who should chuse the representatives as they do the president, doubtless the ignorance of the community would not be so faithfully represented as it sometimes is on the present plan, particularly in the state governments; but though the experiment may be worth trying,

and

and every day's experience inclines me to think better of it, still I should judge, a priori, that there would be some danger of the representatives becoming more independent of the people than the good of the country requires. It certainly is so with the Senate of the United States, owing to the long period for which the Senators are chosen. This independence induced me *formerly* to think, that if a sufficient number of representatives were chosen promiscuously for the same term to supply both houses, the best Senate (which need not *perhaps* be more than a second deliberative body) would be a number chosen for the session, out of the whole representation, to form another house or Senate; in which the proceedings of the House of Representatives might be reviewed and rediscussed. Mankind have had so much of independence among their governors, that the safest course until we better know how far we can safely trust, may be to err on the side of controul. But on these points, we can only judge accurately by means of making the experiment: for government is as much a science of experiment as chemistry; and it is the business of a political philosopher to deduce principles from a close

close observation of, aud a fair deduction from, past facts.

On his political conduct under the administration of Mr. Adams in this country, it is not necessary to say much. Of that administration, weak, wicked, and vindictive, what real republican can speak well? If Dr. Priestley was hostile to it, his opinions coincident with an American majority, were forced from him by the virulence with which he was treated by writers in this country who were more than suspected to be in the pay of the British government. It is enough that whatever he said and did on that subject, has been sanctioned by the American people; and he had the satisfaction to live long enough to see a government whose theory was in his opinion near perfection, administered under the auspices of his friend Mr. Jefferson in a manner that no republican could disapprove. To the end of his days, this was a source of great satisfaction to him, especially as it became more and more evident from the disorders attendant on the French revolution, that if the republican system was required to stand the test of experiment, it was in this country alone, and under such an administration as he witnessed, that it

stood

stood any chance of success. At present, the trial justifies the anxious hopes of its supporters, and bids fair to establish beyond all doubt, the superiority of that form of government, on which the political reformers of modern days have rested their most reasonable expectations, and their fondest hopes.

To the first edition of this treatise on civil government were annexed Remarks, on Dr. Brown's proposal for a national code of education: on religious liberty and toleration: and on the progress of civil societies. In the second edition, all these remarks were much enlarged; and he added also, a paper on the extent of ecclesiastical authority, another on the utility of establishments, and a third containing remarks on some positions of Dr. Balguy on church authority.

Against a national code of education, he argues irresistibly, that the science of education is yet in its infancy; that the more experiments are made by individuals interested in their success, the sooner will it be brought to perfection; that the various stations of life require various and corresponding modes of education; that God and nature have placed children under the controul of their parents for the early years

years of their lives, and that this parental and filial intercourse is more valuable to the parties than any equivalent that society can bestow; that such a scheme would tend only to perpetuate and impose on posterity the ignorance and prejudices of the rulers of the day: to which he might have added, that such a code of national education embracing a system of principles religious, moral, and political, would be no other than an instrument of ecclesiastical and political tyranny: we should force upon our children the intolerance of the priest, and the tyranny of the statesman, and leave them, mind and body, the tools and the victims of both these species of detestable oppression. That some things may be taught to children in each of these branches of knowledge, as truths to be received and acted upon until they arrive at those years of discretion when they may be able to investigate for themselves, is certainly unavoidable. But it is equally certain, that since positions are received as axioms in one age and country, which are regarded as impositions in another—since there never has been the time in Great-Britain for instance when most of the prevailing opinions on these subjects were not demonstrably false—since there is no position on any one

of

of them that has not been and may not be contested, an honest and judicious parent, will always so state to his children his own opinions, as to leave their understandings in a great degree unfettered, if their education and future prospects should be such as to give them the means of investigating for themselves. During the minority of youth, and ignorance, and inexperience, the sentiments and the knowledge of the parent must be communicated to the child, and become the rule of his opinions and practice; because they are evidently accompanied to the child with the best and most disinterested evidence that the nature of his situation will permit him to attain. But I have always felt the honesty and the cogency of Locke's observation in some of his posthumous works, that the practice of instilling *right principles* into children, is no more than taking advantage of the ignorance and dependence of their situation; and imposing on the weakness of their understandings as yet incapable of judging, the errors and prejudices of their instructors, as certain and undeniable truths.

After all the modern publications on education, the science is even yet in its infancy; nor has the

particular question just now suggested been sufficiently considered, and discussed. One point however seems to me well established, viz. that all interference on the subject on the part of government, should be confined to furnishing an easy access for every member of society, to the means of acquiring knowledge. Public schools supported at public expence, and open to all children, male and female, for the purpose of learning to read well, to write well, to attain a knowledge of the principles of Grammar, and the elements of Arithmetic and Geography, is far enough; it would then be in the power of each member of the state to become competent to all common functions, and to go further if he have the means and the inclination. Such a plan would not detract from the class of labourers, (as Mandeville* would object) because as to literary attainment, each would start on terms of equality, and an acquisition common to all, would raise none above their fellows. I rejoice that in the state of Pennsylvania, we have a right to expect a law extending thus far.

The subject of Religious liberty, and Toleration as it

* Essay on Charity, and Charity Schools.

it is called, and the expediency of Church Establishments, are argued by Dr. Priestley, with his usual force and acuteness; but it is needless to pursue an analysis of his reasoning on questions which are clearly settled and ought now to be at rest. The proper object of a magistrate's controul, are *actions*, not *opinions*: nor can any two things be more distinct than what respects our conduct here, and what respects our conduct in reference to a future state of existence. Rulers have forgotten, as Milton observes, that force upon conscience will warrant force upon any conscience, and therefore upon the consciences of those who now use it. If I tolerate my neighbour's opinions, and he tolerates mine, we are upon equal terms; but if he should require me to renounce my own, and to embrace his, under any penalty whatever, positive or negative, by the infliction of actual punishment, or the deprivation of common privilege, he is obviously and indubitably a tyrant. I can suggest no argument more plain and self evident than this. Whether a man believes in one God with the Unitarians, or in one God and two thirds with the Arians, or in three Gods with Dr. Horseley and the Trinitarians, or in thirty or

thirty thousand Gods as Varro tells us the heathens of his day could reckon up, or in no God at all like the Atheists, under any of these modes of belief a man *may* be a good member of society, and under all of them men *have been* good members of society: such a man's course of life may be just and benevolent; he may pay full obedience to the laws; he may be a good father, a good husband, a dutiful son: his *actions*, his *conduct* may be kind, generous and upright: what more has society to require? of what importance are a man's opinions, if his actions are those of an honest man? Is not a life of good conduct with any opinions, better than a life of bad conduct with the most orthodox?* Or of what consequence are good opinions if they do not produce the fruit, of good conduct? can there be better evidence of the orthodoxy of a man's opinions than the uprightness of his conduct? Again; it is absurd to attempt impossibilities: it cannot be the duty of any

* "I have heard frequent use" (said the late Lord Sandwich, in a debate on the Test Laws,) "of the works orthodoxy and heterodoxy, but I confess myself at a loss to know precisely what they mean." Orthodoxy my Lord (said Warburton in a whisper) Orthodoxy, is *my* Doxy: heterodoxy, is *another man's* Doxy.

any man or set of men to make such an attempt: it cannot then be the duty of a magistrate, or of the laws to interfere with opinion, because in the nature of it, it is incontroulable. The man who holds it, cannot help holding it. His belief, the convictions of his mind, are the necessary result of the evidence by which they are produced and accompanied, and he cannot help having them. All therefore that the interference of power can effect, is to make him profess a falsehood, and declare his belief in what he does not believe: but the opinion itself, can only be changed, if at all, by reasoning and reflection.

How much more simple then, how much more practicable is the system, of regulating a man's conduct, and leaving him to regulate his opinions as he thinks fit. How competent the one is, to all the good purposes of society, and how productive has the other been, of vice, of cruelty and misery in every country upon earth! for to the system of the magistrate's right to interfere in the regulation of religious opinions do we owe all the religious wars and persecutions of Pagans against Christians, and Christians against Pagans, of Papist against Protestant, and Protestant against Papist——all the proverbial in-

veteracy of that species of rancour which has been denominated (και εξοχην) the *odium theologicum*. To this system we owe as in England, the exclusion of good men from offices who will not take a false oath, or sport with a religious ceremony, in order that men who will do both without scruple, may be admitted in their stead: holding out the honours and emoluments of society as the certain rewards of mental dishonesty, and palpable blasphemy. How true is the observation of Dr. Jortin in that inimitable preface to his ecclesiastical history? "Men "will compell others, not to think with them, for "that is impossible; but to say they do, upon which "they obtain full leave, not to think or reason at "all, and this is called Unity: which is somewhat "like the behaviour of the Romans, as it is describ-"ed by a brave country man of ours in Tacitus, "*Ubi solitudinem faciunt, pacem appellant.*"

This question of religious liberty is one of those which the discussions of the last thirty years has brought compleatly within the view of the public. The half way defences of the friends of truth on this subject from Milton to Locke and Hoadley,*

* Perhaps I am wrong in ranking Milton and Locke among the half

and from thence to Priestley, served to draw some attention to the questions embraced; but until the essays appeared, which are now under consideration, there had been nothing like a full and free discussion of the subject, nothing that reached *au fond*. Dr. Priestley carried the same mode of reasoning, the same clearness and force, that distinguished his treatise on civil government, into the observations on religious liberty and toleration. We had nothing equal to it before, and I recollect nothing superior since. It is fortunate for mankind, that the experience of this country has come in aid of the doctrines he has advanced, and settled the question by an appeal to fact, in a manner that carries full conviction, and leaves no room for future controversy. America has shewn, that the interests of religion may be sufficiently supported, the peace of society effectually preserved, and the progress of society exist in the most rapid state of improvement hitherto known, without

half way defenders of religious liberty, a concession that is forced from me by a recollection of the excellent treatise on Liberty of Conscience by Milton, and the still more convincing letters of Locke to Limborch.

without the dangerous aid of religious tests, or church establishments, as well as without the needless appendages of bishops, nobles, or kings. Whether the state of knowledge in England would justify any attempt at reformation beyond the long sought object of parliamentary reform, is a question that wise and moderate men may reasonably doubt about; here, all doubts on the subject as connected with the true interest of America, have long vanished; and the people rest satisfied with an experiment which has fixed the theory on a basis too firm to be shaken.*

* Dr. Franklin would have had great merit for fabricating that beautiful chapter on toleration so well known and so generally ascribed to him, had he not been a plagiarist in this instance. The passage is to be found in Taylor's Liberty of Prophesying Polem. Discourses fol. p. 1078. The fable however is of Arabic origin as I strongly suspect from the following extract of a dedication to the consuls and senate of Hamburgh of a book whose title is שבת יהורדה (Shebeth Jehudah) Tribus Judæ. Salomonis Fil. Virgæ. Complectens varias Calamitates, Martyria, Dispersiones, &c. &c. Judæorum. De Hebræo in Latinum versa a GEORGIO GENTIO, clɔ lɔɔ LXXX (1680)

Dedication p. 3. Illustre tradit nobilissimus autor Sadus, venerandæ antiquitatis exemplum, Abrahamum Patriarcham, hospitalitatis gloria celebratum, vix sibi felix faustumque credidisse hospiti-

hospitium, nisi externum aliquem, tanquam aliquod præsidium domi, excepisset hospitem, quem omni officiorum prosequeretur genere. Aliquando cum hospitem domi non haberet, foris eum quæsiturus campestria petit, forte virum quendam senectute gravem, itinere fessum, sub arbore recumbentem conspicit. Quem comiter, exceptum domum hospicem deducit, et omni officio colit. Cum cœnam appositam Abrahamus et familia ejus a precibus auspicaretur, Senex manum ad cibum protendit, nullo religionis aut pietatis auspicio usus. Quo viso Abrahamus eum ita affatur: Mi Senex, vix decet canitiem tuam, sine prævia numinis veneratione, cibum sumere. Ad quæ Senex: ego Ignicola sum; istius modi morum ignarus; nostri enim majores nullem talem me docuere pietatem. Ad quam vocem horrescens Abrahamus, rem sibi cum ignicolâ pro profano et a sui numinis cultu alieno esse, eum a vestigio a cœnâ remotum, ut sui consortii pestem et religionis hostem domo ejecit. Sed ecce summus Deus Abrahamum statim monet. Quid agis Abrahame? Itane vero fecisse te decuit? Ego isti seni quantumvis in me usque ingrato et vitam et victum centum amplius annos dedi, tu homini nec unam cœnam dare, unumque eum momentum ferre potes? Quâ divinâ voce monitus, Abrahamus senem ex itinere revocatum domum reducit, tantis officiis pietate et ratione colit, ut suo exemplo ad veri numinis cultu eum perduxerit. Vos quoque Proceres nobilissimi cum pari studio Judæorum gentem habeatis, laudatissimo more atque exemplo, pietate potius servare, quam severâ disciplinâ excludere; eos tanquam perditas Christi oviculas colligere quam dissipare mavultis.

APPEN.

APPENDIX, NO. 4.

Of Dr. Priestley's Miscellaneous Writings.

THESE consist principally of his Grammar and Lectures on the Theory of Language, his Lectures on Oratory and Criticism, and those on General History and Civil Policy.

The Grammar was first published in 1761. A month after the second edition of it, Dr. Lowth's Grammar came out. The third and last edition of Dr. Priestley's was in 1772. I do not observe any peculiarity in this work. It seems like all Dr. Priestley's writings and compilations, sensible, plain, and intelligible. Dr. Lowth had at that time more reputation in the world than Dr. Priestley; his lectures de sacrâ poesi Hebræorum, having deservedly procured him the respect of the literary part of the public. His grammar therefore seems to have interfered with the circulation of Dr. Priestley's.

The Lectures on the Theory of Language and Universal Grammar were printed at Warrington in 1762 in one volume duodecimo. I believe though printed and delivered to the students, it was never fully

fully published;* I shall therefore give an account of the subjects treated in this small work, more at length, than if the treatise itself had been generally known.

The first lecture after the introduction is on *Articulation*, or the power of modulating the voice. This is peculiar, as Dr. Priestley thinks, to the human species. Brute animals, emit sounds, and varieties of sound, the effect and expression of passions and sensations; they have also gestures to make known their wants and feelings: but the superior capability of the organs of speech is perhaps the most important characteristic of humanity. Those articulations he observes are preferred which occasion the least difficulty to the speaker. Very antient languages like the Hebrew, Arabic, Welsh and even the Greek, abound with harsh articulations which are gradually changed.†

Lecture

* They are mentioned however with approbation by the writer of all others best able to judge of their merit. See note to Epea Pteroenta 75.

† Dr. Darwin in his notes to the Temple of Nature has some ingenious remarks on the articulation of alphabetical sounds.

Lecture 2d. *On the origin of Letters.* The transition from speaking to writing, is so difficult as to lead some persons like Dr. Hartley to have recourse to supernatural interposition to account for it.* Robertson's Comparison of Alphabets makes it probable that all the known ones have been originally derived from the Hebrew or Samaritan. Dr. Priestley's opinion is that the rude attempts of our earliest forefathers, were improved partly by attention and

* Dr. William Scot the Civilian, who was sometime Professor of History at Oxford, in his introductory lecture, urged the impossibility of language itself being originally acquired by human effort, and thence inferred the necessity of recurring to the theory of miraculous interposition. But supposing the still greater difficulty of a man first appearing in a state of manhood, there would be no doubt in my opinion of the gradual acquisition of a collection of significant sounds, if there were another human creature to whom they might be addressed.

Gilbert Wakefield in an "Essay on the origin of Alphabetical Characters" in the second volume of the Manchester Transactions is of opinion that language and alphabet too, are to be attributed in their origin to divine communication, and are not by any means explicable on the theory of gradual improvement. I have no objections to introduce a miracle when we cannot do without it, but I cannot see the Dignus vindice nodus in the present case. Mr. Harvey's Essay on the English Alphabet in the first part of the fourth volume of the same transactions is worth a perusal.

and partly by chance until alphabets were invented. Moreover the imperfection of all alphabets argues that they are not the produce of divine skill: had such a one been revealed, it would certainly have established itself by its manifest excellence.

Lecture 3d. *Of Hieroglyphics, Chinese Characters, and different Alphabets.* Alphabets as they now appear, were not the first attempts at expressing ideas in writing. Picture-writing, or the rough draught of the things meant to be expressed preceded Hieroglyphics which were a contraction of picture-writing. The Chinese letters seem to be a still further contraction of Hieroglyphics.* All these seem to

* "That there was however a relation between the real Egyptian "Hieroglyphics and the Chinese Characters, De Guignes, so well "versed in the literature of China, undertook to evince; and actually "composed a work to shew that each of the 214 keys or elements "correspond to Egyptian Hieroglyphics, that they were of the same "shape and signification, and consequently were identified (see M. de "Hauteraye's Alphabets in the French Encyclopædia, and Hist. de "l'Acad. des Inscrip. V. 34.) This work thus announced in 1766, "has never appeared, but remained only a system (as M. de Haute-"raye asserts,) with its author, who died but a few months ago (1801.) "Hager's Ch. Ch. 38."

There

to have preceded the methodical arrangement of alphabets. In picture-writing, abstract ideas would be expressed by Metaphors, as eternity by a serpent biting his tail: impossibility by two feet standing on water, and so on. The mode of contraction may be illustrated thus; suppose two swords cross wise represent a battle, two cross strokes may be used in lieu of the more perfect delineation. Arbitrary characters would also be introduced to express ideas, as we use the numerals from one to ten. Of arbitrary characters

There is much curious remarks collected by Dr. Hager in his magnificent book on the Chinese Character: it seems to me also to have the merit of being the finest specimen of printing extant. But Hager's remarks ought to be perused subject to the criticisms of that very acute and judicious traveller Mr. Barrow. See his travels in China, Chap. VI.

Dr. Priestley's opinion seems to be the same with Warburton's who (Div. Leg. L. 4. § 4.) calls the Chinese Character the runninghand of Hieroglyphics. The Chinese Characters including synonimes are reckoned at 80,000. A knowledge of 10,000 however, suffices to read the best books in each Dynasty. Hag. Ch. Ch. 49. The Chinese language is monosyllabic, and consists of 214 keys or elements and but 350 words. The Japanese (quite unlike it) is polysyllabic, and contains many more. Ib. 54.

Warburton's Essay on Hieroglyphics is deserving of the character which Condillac gives it. Essai sur l'orig. des Com. V, 1, Ch, 13.

characters the Chinese writing is said to be full. These have multiplied so exceedingly that it takes a man in that country half his life to learn to read the necessary books; hence improvement is at a stop there.*

The most antient Alphabets are those of the eastern Languages.† The Phenician, Hebrew, and Syriac or Samaritan had the same origin. The derivation of the Greek from these is very evident; the similarity of the letters being easily traced. Cadmus is said to have brought the knowledge of letters from Phenicèa. The order of letters in the Greek Alphabet proves the same thing. The chasms arising from the rejection of such Hebrew letters as the Greeks

* The same remark will apply to the Mexican Hieroglyphics and Characters; for it appears from Clavigero that they had advanced into Characters, and as he thinks as far as the Chinese. But the state of improvement in the two countries, affords no countenance to this opinion. Dr. Hager says there is no similarity between their characters. Ch. Ch. 46. Dr, Priestley's observation is confirmed by ch. VI. of Barrow's travels.

† The Dr. does not seem to have been aware of the Alphabets of Adam, Enoch and Seth, published at Nuremburgh Hersel. Synop. univ. philos, norimb. 1841! Hager's ch. ch. 30.

Greeks had no sounds to, were afterwards filled up by Palamedes and Simonides.*

The Latin was nearly the same with the Greek, before the last additions made to it, retaining the F of the Æolians, and the aspirate H of the Pelasgi. The Greeks denoted all their numbers by the same letters as the Hebrews, and to make their Alphabet tally with the Hebrew for this purpose, they filled up

* The want of alphabet among the Chinese is a curious point of discrimination between them and the other eastern nations. Whether India or China has the highest claims to literary antiquity is not yet fully settled. The following instances of coincidence are as curious as those noticed by Dr. Priestley. "The same division of the Zodiac "among the Greeks and Romans as among the Chinese: the same "number and order of the planets; their application to the same days "of the week as among the Romans are circumstances that could "hardly be accidental." Dr. Hager Ch. Ch. p. XVII. from Mem. des Mission de Pekin V. 1 p. 381.

But coincidence is a dubious ground to rest any theory upon, unless the argument from induction be very full. We may perhaps allow Major Vallancey and Sir Laurence Parsons to have established the identity of the Irish and Carthaginian languages, but the coincidences of Mr. Bryant will not class much higher than those offered between the Welsh and the Greek in some of the early volumes of the monthly Magazine. They are curious and ingenious; but they lead to no conclusion.

up all the remaining chasms in their old Alphabet with real Hebrew letters. It is further probable that the antient Greeks in imitation of the Phenicians wrote from right to left, and then from left to right, and so on alternately: this method was called βουστροφηδον from its resemblance to plowing: this was before it was fixed in the method in which at length they, and after them all the nations of Europe, have used it, viz. from left to right, without variation. The Chinese and Japanese whose language is not alphabetical, write in neither direction.*

The remaining part of the lecture consists of remarks on vowels and accents, and the history of their use

* The Chinese, Japanese, and Mantchou Tartars write perpendicularly; de haut en bas. Dr. Hager 57. But the Chinese as well as the Egyptians formerly wrote horizontally as well as perpendicularly. Ib. 45.

The British museum contains two Japanese books in alphabetic letters. Harl. Mss. 7330 and 7331. Hag. 59. The people of Corea also use alphabetic characters. Ib.

Dr. Priestley's observations on the gradual improvement of the hieroglyphic into the alphabetic character, are coincident with those of Dr. Hager; and are verified by the fact, that the most antient Chinese characters are, and are called, images, forms. Ib. 44.

use and application, together with miscellaneous remarks, which though curious and interesting, do not admit of abridgment.

Lecture 4th. *Of the general distribution of words into classes.* In this Lecture Dr. Priestley traces the probable operations of the mind, in distributing and noting nouns, whether of individual things, or of abstract ideas, and adjectives or epithets; thence into articles, verbs, &c. The fine discovery of Horne Tooke, that the class of words usually deemed insignificant of themselves, sre not so, but are in fact resolveable into verbs or participles, or nouns, was not then known.* It were to be wished the Doctor had revised these lectures and made use of the truly original remarks of Mr. Tooke. With Mr. Harris, he considers (p. 142) particles as having no meaning of themselves. Yet in another place he seems to have an idea of the same kind with Mr. Tooke's. "The names of things, or qualities, are

"called

* Dr. Beddoes seems to think that although Mr. Tooke has full claim to the discovery, something of the general theory has been stated by the Leyden Professors, Hemsterhuls Lennep, Scheid, &c. Observ. on demonstr. Evid. p. 5: And (but subsequently to the Letter to Dunning) by M. Volvoison.

" called *substantives* and *adjectives*. The substitutes " of these are *pronouns*. Their coincidence or " agreement is expressed by *verbs*. The relations of " words by *prepositions*, and of sentences by *conjunc-* " *tions*. ADVERBS *are contracted forms of speech*, " *which may be analized into words belonging to* " *other classes*." Pronouns he considers chiefly as adjectives.

From the fourth to the ninth Lecture, the remarks though apparently just and calculated to explain and illustrate his subject by references to the coincidences and discriminations of other languages, particularly the Hebrew, Greek, Latin and French, are too technical to be dwelt on in this brief review.

His ninth Lecture is on *adverbs*, *prepositions*, *conjunctions*, *&c.* Adverbs he says are chiefly contractions for other words, and often for whole sentences, a position which the Epea pteroenta has sufficiently confirmed.

He quotes occasionally with implied respect the Hermes of Mr. Harris; a book then much in vogue, and bepraised without stint or consideration by Dr. Lowth and others. It may indeed be amusing from the learned trifling, and strange absurdities where-

with it abounds; had the author given us a little good sense in lieu of a great deal of Greek reference, it would have been better worth reading; but it has now attained its proper rank among the literature of the age. According to Mr. Harris, adverbs are attributives of attributives!

The latter part of this Lecture is on *Dialects*, and contains so ingenious, and to me so novel an account of their origin, from the circumstances of the dependence or independence of the countries wherein they obtained, that I am tempted to transcribe the passage.

"When a language was spoken by several independent cities or states, that had no very free communication with one another, and before the use of letters was so generally diffused as to fix the modes of it, it was impossible, not only to prevent the same words being pronounced with different tones of voice (like the *English* and *Scotch* pronunciation) but even the number and nature of the syllables would be greatly altered when the original root remained the same; and even quite different words would be introduced in different places. And when, upon the introduction of letters, men endeavoured

to

to express their sounds in writing, they would, of course, write their words with the same varieties in letters. These different modes of speaking and writing a language, originally the same, have obtained the name of DIALECTS, and are most of all conspicuous in the *Greek* tongue, thus εγω *I*, was, by the *Attics*, frequently pronounced εγωγε; by the *Dorians* εγων and εγωνγα; and by the BEOTIANS εωγα and εωγγα."

"All these different modes of speaking, like all other modes, might have grown into disrepute, and, by degrees out of use, giving place to one as a standard, had particular circumstances contributed to recommend and enforce it; but, in *Greece*, every separate community looking upon itself as in no respect inferior to its neighbours in point of antiquity, dignity, intelligence, or any other qualification; and being constantly rivals for power, wealth, and influence, would no more submit to receive the laws of language from another than the laws of government: rather, upon the introduction of letters and learning, they would vye with each other in embellishing and recommending their own dialects, and thereby perpetuate those different modes of speech."

"On the other hand, in a country where all that spoke the language had one head, all writers, ambitious to draw the attention of the leading men in the state, would studiously throw aside the particular forms of speaking they might happen to have been brought up in, and conform to that of their superiors: by this means dialects, though used in conversation, would hardly ever be introduced into writing; and the written language would be capable of being reduced very nearly to a perfect uniformity."

"For this reason the language of *Greece*, though spoken at first within a very small extent of country, yet by a number of independent cities, had no common standard; and books now extant in it differ so widely in their forms of expression, that the most accurate skill in some of them, will not enable a man thoroughly to understand others. Let any person after reading *Homer* or *Hesiod* take up *Theocritus*. Whereas, in the *Latin*, though written in very distant parts of the vast *Roman* empire, dialects are unknown. However differently *Romans* might speak, there are no more differences in their writings than the different genius, abilities, and views of different

rent men will always occasion. The *Patavinity* of Livy is not to be perceived."

"When a language had been spoken by different nations a considerable time before the introduction of letters and learning, the variations in the forms of speech would grow too considerable to form only different dialects of the same language; when reduced to writing they would form what are called *sister-languages*, analogous in their structure, and having many words in common. Thus the *Hebrew* and *Chaldaic* or *Syriac* with perhaps other eastern languages, might have been originally the same. On the other hand, the *English* and *Scotch*, had the kingdoms continued separate, might have been distinct languages, having two different standards of writing."

The 10th Lecture is *on the Derivation and Composition of words, on Syntax, and on Transition.*

The 11th is *on the Concatenation of Sentences, and the transposition of words.* The following observations among others on the first of these subjects appear to be worth transcribing.

"Now the method of learning and using a language that is formed must be analogous to the me-

thod of its formation at first. Short and unconnected sentences would be sufficient for the most pressing and necessary occasions of human life, of men acquainted with but a few objects, and only the most obvious qualities of those objects: As human life improved, as men became acquainted with a greater variety and multiplicity of objects, and new relations were perceived to subsist among them, they would find themselves under a necessity of inventing new terms to express them. As their growing experience and observation would furnish them with a greater stock of ideas to communicate, and subjects to consult and converse about, their endeavours to express their new conceptions of things would lead them, by degrees, and after repeated trials, into every requisite form of transition, for the purpose of connected discourse, either of the historical, or argumentative kind."

"But, as we find that persons who have not learned to read and write are in a great measure incapable of a connected discourse, and even persons who are accustomed to read and converse with ease are seldom able, at first, to put their thoughts together in writing with tolerable propriety; it is not easy to conceive, that

that the language of any people, before the introduction of letters, should be otherwise than very incoherent and unconnected: and that their first attempts to write would want that variety, accuracy and elegance of contexture, which their late compositions would acquire."

"Hence the striking simplicity of style in the books of the *old testament;* perhaps the most ancient writings in the world: The history of *Moses* how different from that of *Livy*, and *Thucydides;* or even of *Cæsar*, *Sallust*, and *Xenophon*. The moral discourses of *Solomon*, how different from those of *Plato*, *Cicero* and *Seneca;* for though much time had elapsed from *Moses* to *Solomon;* yet the *Hebrew* nation, not having been addicted to letters in that interval, their language had received little or no improvement."

"Even the writers of the *new testament*, having been chiefly conversant with the ancient *Jewish* writers, and their education having given them no leisure to attend to the refinements of style, have generally adopted the simple unconnected style of their forefathers, both in their narration and reasoning. I shall give one instance of this. *John the evangelist* in

in giving an account of a conversation that passed between *John the baptist*, and the *Jews;* instead of carrying on the narration in his own person, as an historian, and giving the questions and answers such a form as was proper to make them incorporate with his own account of them (a turn quite familiar to other writers) he reports the words just as they were spoken, notwithstanding the speeches were too short to make it in the least necessary or expedient to set down the whole by way of formal dialogue."

"John I. 19. *And this is the record of John, when the* JEWS *sent Priests and Levites from* JERUSALEM *to ask him Who art thou? And he confessed, and denied not; but confessed, I am not the Christ. And they asked him, What then art thou? Elias? and he said I am not. Art thou the prophet? and he answered no.*"

"This conversation a writer used to composition would rather have related in a more connected manner, as follows. *Then the Jews sent Priests and Levites from Jerusalem to ask him who he was, and he confessed he was not the Christ: They asked him if he were Elias, but he said he was not, if he were that prophet, but he answered no.*"

"Upon

" Upon these principles we may perhaps be able to give a more complete solution than hath hitherto been given of a paradox in the history of letters: viz. Why, generally, the first regular compositions of any people should be in *verse*, rather than in *prose*. One reason, no doubt, was that, antecedent to the use of letters, verse was much more proper than prose in compositions that were designed to perpetuate the memory of remarkable transactions and events, as deviations from the original would be made with more difficulty, and corrupted passages restored with more ease: But, additional to this, we may perhaps affirm with truth, that the concatenation of sentences is not so intricate in verse, as in prose. Not unfrequently the neglect of regular transitions is esteemed graceful in verse and the old poems here referred to, as the *Delphic Oracles*, &c. where the sense was generally compleated in a line, or a short stanza, required very little art or variety of connexion. How much more elaborate in point of transition and concatenation of sentences is even the history of *Herodotus* than the poems of *Homer*, many parts of which are historical."

Lecture 12th. *On the growth and corruption of Langua-*

Languages. All languages whether antient or modern, are subject to growth, improvement and decline, as well as to many intermediate fluctuations. The causes of these are extraneous, and no internal structure of the language can prevent these changes. They will arrive at their acmè sooner, and be more perfect and copious in proportion as the people are more literary, more mercantile and enterprizing: for such a people having more ideas will require more words to express them. Hence the superiority of the Greek to the Hebrew. At this stage the decline of the language usually commences.

"The progress of human life in general is from poverty to riches, and from riches to luxury, and ruin: in *Architecture* structures have always been at first heavy, and inconvenient, then useful and ornamental, and lastly, real propriety and magnificence have been lost in superfluous decorations. Our very *dress* is at first plain and aukward, then easy and elegant, and lastly downright fantastical. Stages of a similar nature may be observed in the progress of all human arts; and language, being liable to the same influences, hath undergone the same changes. Whenever a language hath emerged from its first

rough

rough state of nature, and hath acquired a sufficient copia of significant and harmonious terms, arbitrary and whimsical ideas of excellence have been superadded to those which were natural and becoming, till at length the latter have been intirely sacrificed to the former."

These observations he illustrates by a short history of the revolutions of the Roman language.

Dr. Priestley seems to think that there is a period when the language of a nation will no longer admit of improvement, viz. when power and influence abroad, and arts, science and liberty at home, have arrived at their greatest height. But when has this been? And who can say when it will ever be? It is to be hoped, never. He thinks one entire century favourable to the polite arts, will suffice to bring any language to its perfection: and that the English was fixed in the reign of Queen Anne, But this has certainly not been the case with the English language, which Mr. Godwin has fully shewn to have been hitherto progressive; contrary to the opinion of most writers before him. *Enquirer.*

The rest of this lecture consists of observations on Academies; on the Analogy, and on the Standard of Languages.

The

The 13th and 14th are *on the complex structure of the Greek and Latin Languages.* These discourses will not readily admit of analysis, and I do not observe any passage sufficiently striking to introduce it here, excepting the following extract which closes the 14th lecture.

"But the present *Italian*, *French* and *Spanish* tongues, most probably, took their rise from the imperfect attempts of barbarous nations to speak the Roman Tongue, and particularly in the provinces; and that, long before the dissolution of the Roman empire by the irruption of the northern nations."

"If we consider the Grammar of those languages with attention and compare them with the Latin, we may almost see the very manner in which they were produced. Foreign nations, in attempting to speak Latin, could not avoid imitating the principal tenses of their verbs: accordingly we can plainly discern the form of them in their present languages. When people who had not the advantage of a regular and perfect instruction endeavoured to speak in Latin, they would naturally think of nothing but of rendering the words of their own tongue literally into it; and when nations of the *Teutonic* original had rendered

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ed into some sort of Latin, or retained, their own articles, casual prepositions, and auxiliary words (which, being fundamental in their own language, would be the last things they would part with, and indeed what they could have no idea of their being able to do without) they would find that more inflections were unnecessary. The Roman soldiers, who formed the colonies, being no great masters of the language, would make no great difficulty of leaning to this barbarous manner of speaking it. It confirms this conjecture, that the present *Italian*, *French* and *Spanish* tongues were originally called *Roman*, in opposition to the native languages of those who spoke them."

"*Greece* being continually open to the inroads of the *Italians*, *Germans*, *French*, and other northern *Europeans*; particularly about the time of the *Croisades*, the *Greek* language admitted a good deal of the idiom of the northern tongues in the same manner: though, from the forementioned internal causes, it had lost a great number of its inflections before; as was most observable about the time of the emperor *Justinian*, and this change had begun so early as the translation of the seat of the empire from *Rome* to *Constantinople*."

In

In the *modern Greek*, we see almost a literal translation of some of the Teutonic auxiliary verbs into Greek, in εἰχα for had, and θελω for will; which of course supplanted a great part of their former variety of tenses; for the modern Greeks say εἰχα γραψει I had written, εἰχας γραψει thou hadst written, &c. θελω γραψει I will write, θελεις γραψει Thou wilt write, &c. and to supply the place of moods, they have evidently translated their own forms of expressing the modes of affirmation into Greek particles, which they have prefixed to the common inflections."

Lecture 15th. *Of the revolutions of Language, and of Translations.* When nations are conquered, it has generally been the case that the conquered nations especially if dispersed, loses its language; as was the case with the Jews after the Babylonish irruption and captivity. Thus the English gains ground on the Irish, the Erse, and the Welch; and the French on the Britannoise. If the conquerors mix with the inhabitants of the conquered countries in great numbers, the languages will be mixed, or new ones formed; as the Italian, Spanish, &c. from the Roman. Where the conquered nation had arrived at considerable eminence in arts and literature, the language

guage of the conquered country will be adopted among the better informed classes of the conquerors, as the Greek language prevailed among the literati at Rome: for the knowledge possessed by the Greeks, must have been sought after by means of the language in which it was written and preserved. On these principles the Latin language seems to be adopted by the learned of Europe.* The second part consists of general remarks on the mode and use of translating.

Lecture 16th. *Of Metrical Compositions.* "The first verses (like the rudiments of all other arts) were probably made by chance. The harmony of words, at first casually placed in metrical order, would engage the attention. The pleasing sensation accompanying it would excite mankind, when they were first at leisure to attend to their language, to consider the

* On these two principles combined, it may be well explained, how the English language comes to be a mixture of Saxon (the original) of Danish and Norman French, (forced into practice by the conquerors) of Latin and a small portion of Greek, voluntarily adopted by the literary class, and gradually incorporated with colloquial forms of expression. T. C.

the nature and manner of it; from whence the transition to imitation is universally natural."

"When verse became tolerably familiar and easy, and before the art of writing was invented, it would soon be perceived to be an excellent vehicle to convey the knowledge of past transactions to posterity; since verses are easily committed to memory, and the regularity of the measure helps to prevent mistakes in the repetition. Thus, in time, would most nations become stocked with traditional poems, serving for memorials of remarkable transactions; of which those relating to their Gods and Heroes would be repeated, and sung in their honour, at their festivals. For the invention of *Musick* and *Poetry* hath, in all nations, been nearly cotemporary; and there have always been methods of adapting the one to the other. The simple pronunciation of the ancients being slow and raised, must of itself have been musical."

"Things being in this situation, it is natural to suppose, that the first things men would think of committing to writing (after the art was invented by them, or communicated to them) would be these *poems;* and it might be some time before they would think of making use of the art for any other purpose.

Accord-

Accordingly, we find in history, that, in most nations, poems were the first compositions that were committed to writing, and that, the art of prose-writing was subsequent to it. Sir *Isaac Newton* (I suppose upon the authority of *Strabo*) says that the *Greeks* wrote nothing in prose before the conquest of *Asia* by *Cyrus*, about which time *Pherecydes Syrius*, and *Cadmus Milesius* introduced writing in prose."

The following remarks on the metre of the antients, in the application of music to poetry appear to be just.

"All the harmony that the *Antients* ever attempted to give their language, arose from the proper disposition of the syllables according to their *quantity*, as divided into *long* and *short*; two short syllables requiring the time of one long one. To exemplify this, take the following verses of *Virgil*."

Tityre, tu patulæ recubens sub tegmine fagi
Sylvestrem tenui musam meditaris avena.

"All the harmony of these verses consists in the proper disposition of the long and short syllables. And, according to the more elaborate pronunciation of the ancients, the difference in the length of syllables would be more observable than it is with us. This

regard to quantity did not in the least interfere with the raising or depressing of the voice, which they called *Accent*."

"On the contrary, according to our method of pronunciation, it is impossible to distinguish the quantity and accent. We pronounce every syllable with equal rapidity, except one syllable in every word, which we pronounce with more force than the rest; which, doth, in some measure, of necessity, occasion a protraction of the sound. It is the regular fall of this accent that constitutes the principal part of the harmony of all *European* verses, as in the following in *English*."

Say why was man so eminently raised
Amid the vast creation, why ordained
Through life and death to dart his piercing eye,
With thoughts beyond the limits of his frame?

"Besides this another kind of harmony hath been introduced into most modern languages; which is the similarity of sound at the close of the verses, called *Rhyme*. The following have this kind of harmony."

Know then this truth (enough for man to know)
Virtue alone is happiness below.

The

The only point where human bliss stands still,
And tastes the good without the fall to ill:
Where only merit constant pay receives,
Is blest in what it takes and what it gives.

POPE.

"The principle therefore, or source of harmony, in ancient and modern poetry, is totally different: the former arises intirely from quantity, the latter from the accent; and sometimes accent in conjunction with rhyme."

"For this reason the ancient poetry was, of the two, the better adapted to musick; which is regulated chiefly by time; and perhaps the just pronunciation of verses, according to the natural length of the syllables (with a peculiar raised tone of voice, and such variations with regard to acute and grave as that manner of speaking would naturally throw the voice into) might be that in which the principal part of ancient vocal music consisted. Whereas, in modern music, (unless a long note be contrived to receive the accent through the whole verse, which is seldom done, except in some few songs) our poetry hath no more than an arbitrary connection with our music, and prose suits it quite as well: but to sing prose

would have been reckoned very absurd among the *Ancients*, it being a thing that was never thought of or attempted by them."

"Our music, indeed, may be contrived to correspond, in general, to the sentiment and passion expressed in a poem: for as the verses may be of a diverting or mournful nature, the music may likewise, upon the whole, tend to inspire mirth or melancholy; but the particular words of the poem have still no real connection with the particular strains of the music. How often do we see, in very good musical compositions, where words are subjoined, the most expressive and important strains in the music to fall upon very trifling words in the poem. And do we not generally sing the same notes to every stanza of an ode; notwithstanding that the variation of the sentiment, and the different disposition of the emphatical words in the line, seem to require a proportionable change in the notes that are sung with it: yet so arbitrary and general is the connexion between our music and our poetry, that the absurdity is not perceived."

"Modern languages, and *English* in particular, do not admit of the measures of ancient poetry; because

cause the distinction of our syllables into long and short is not sufficiently apparent. According to the rules of ancient versification, too great a number of them would be long. On the other hand, the least tendency to rhyme was condemned as vicious in ancient poetry; till, in some late centuries, when the ancient pronunciation of the Latin was forgotten, some *monks* composed Latin verses in rhyme, but without any regard to the quantity. One of them is said to have turned the whole *Æneid of Virgil* into rhyme."

"As the rules of versification do necessarily confine a writer in the choice of his words, poets, in all languages, take liberties which are not allowed to prose writers. This is called the *licentia poetica*, and makes the language of verse differ considerably from that of prose. In the *Italian* tongue this is very observable: for instance, *anima*, in that language *the soul*, in prose; when, in verse, it is changed into *alma*."

There have been attempts at introducing the Sapphic measure into the English language, by Watts, and Southey; and Collins's metrical ode to the evening has found some imitators, and I think I re-

collect some arythmic hexameters, but rhyme combined with metre seems most natural to the language. Whether the ingenious author of "Metronariston" has not far over-rated the pleasure to be obtained from his method of reading the Greek and Latin poets, can hardly be judged of, but by submitting the experiment to the ear. How the antients pronounced their words or even their letters we cannot now tell, and therefore I shall not be able to join in opinion with Dr. Priestley in a passage to be quoted presently, that the Greeks *did not* pronounce certain characters as the moderns do. Dr. Parnell's imitation of a part of Pope's Rape of the Lock may serve as a favourable specimen of the effect of monkish rhyme (rhyme intermixed with Hexameter measure) on the ear; and the anacreontic of Walter de Mapes, preserved in Cambden's Remains, and partly translated by Huddisford, affords a tolerable example of another variety of Latin rhyme; but without affording at the same time, any temptation whatever to pursue the practice.

The 17th Lecture consists of *Observations on the different properties of Language.* The perfection of a Language, consists principally in having a sufficient

ficient copia of words, in the absence of ambiguity, and in a pleasing, not harsh or grating pronunciation.

On these three points of excellence he enlarges. The copiousness of a Language, depends *chiefly* on the state of improvement among the people that use it. But this is relative, for some people may be improved in one, and another in other respects. Thus people like the Greeks who cultivate poetry and oratory to a high degree, are likely to have their language abound in synonimous and nearly synonimous terms; whereas a nation cultivating the arts and sciences extensively, will of course require terms appropriate to new objects and combinations. Thus the number of words in the English Language is not greater than in the Greek.

Ambiguity may arise from the same word having more ideas annexed to it than one. And from want of means to ascertain the relations of words to each other.

The harshness of a Language, does not absolutely depend on the mere proportion of consonants to vowels, but more on their arrangements: thus the words *strand*, *blind*, do not sound harsh at least to an English ear. Neither do the words, *that*, *then*, *thread*,

thread, &c. although our neighbours complain so much of the *th*; were they to learn the use of it, the complaint would cease. "The Hebrew, Ara-"bic, and other Eastern Tongues, are thought very "sweet and melodious in the countries where they "are or have been spoken, and yet they abound with "*gutturals* and *aspirates*, which are in their own na-"ture, the most difficult and violent articulations "that the human voice is capable of. In the Greek, "frequent use is made of χ (answering to ח in He-"brew); also of θ and φ (none of which were pro-"nounced by the Antients as we now pronounce "them) and yet all people think the Greek to have "been a very harmonious musical Language."

It is certainly within the compass of possibility, that the Greeks *did not* pronounce these characters as we do; but I should be glad to know how the Doctor became acquainted with this fact? or how it can be ascertained? I have not here the opportunity of consulting Mekerchus, or Beza, or Vossius,* or Lipsius,

* *Adolphus Mekerchus*, de veteri et recta pronuntiatione Linguæ Græcæ. *Vossius* de poematum Cantu. *Beza* de veteri et Germana pronuntiatione Linguæ Græcæ. *Lipsius* de recta pronuntiatione linguæ Latinæ; dedicated to Sir P. Sydney.

Lipsius, or the Accentus redivivi, or any of the numerous Greek Philologists, but I see not how any man can be certain of this, who did not live in the days of the antients as well as in those of the moderns: especially as the Greeks and Latins offer no Rhyme to guide our conjectures. I remember a conversation between Dr. Johnson and Mr. Dagge during an interval in the performance of Horace's carmen seculare, when set to music by Philidor, and performed under his and Baretti's direction. The subject was, the proper method of pronouncing the Latin language. Johnson. "Sir, this is a question that cannot be settled in this day; no modern can have heard the antients speak; therefore no modern can tell how the antients spake. One man may instruct another in proper diction by example, but the instruction must be addressed to the ear, not to the understanding; written precept is insufficient. All we can do in the present case is to conjecture, and of conjectures we are bound by the most probable. That the pronunciation of the Latin would be modified and altered by the intermixture of barbarians who overturned the Roman empire is certain; but in what instances and to what degree is uncertain.

tain. It is probable that the immediate descendants of the Romans would be more likely to pronounce the Roman language with propriety, than foreign nations. It is probable that persons living in the same climate, and on the same spot, would be more apt to fall into the pronunciation which a Roman would adopt, than any foreigner; for the natural causes that affect pronunciation, would be common to the antient and the modern inhabitant of the same place. For these reasons, I incline to think that the Italians have the chance of being more correct than any other nation. Another observation occurs to me, which though it will not decide the question, will serve to illustrate the arguments I have employed. When Virgil deseribes the Cyclops as forging the arms of Æneas, he uses language evidently meant to convey a correspondence of the sound to the sense.

Illi inter sese, magnà vi, brachia tollunt,
Innumerum: versantque tenaci forcipe ferrum.

Pronounce this passage like an Englishman, and the beauty almost vanishes: pronounce it like an Italian, and it must be felt."

I think with Johnson, that descendency and similarity

larity of climate, though not conclusive evidences in favour of right pronunciation, as we know they are not either with respect to the modern Romans, or modern Greeks, are yet much stronger than any other people can adduce: and where one mode of pronunciation is universally adopted, it has a higher degree of probability in its favour than any other can pretend to.

Dr. Priestley proceeds to remark that whether a language is harsh or not, must be judged of from the *best* writers in it: for there may be more difference between two writers in this respect than between two languages.

Also, that the real structure of an harmonious language must admit of any words or numbers of words to succeed each other with ease as if they were one word. Hence there must not be too many consonants thrown together at the beginnings and endings of words: else they will impede facility of pronunciation. Having made these preliminary observations, he proceeds in the 18th Lecture to a *Comparison of different Languages.*

In this Lecture he briefly considers the characteristic differences of the Hebrew and the Greek languages,

guages, adding some short remarks on the Latin, French, Italian, Spanish and German languages. The first part in particular is interesting, brief as it is: but the plan of this account will hardly authorize the transcribing of it here.

The 19th Lecture is on the *origin, use, and cessation of the Diversity of Languages.*

The present diversity of languages is the necessary effect of the new wants and new situations in which mankind would gradually find themselves. There must have been a first or original language: this the Scriptures teach. But that language consisting of few words, and of few inflections because few would be needed, could easily be altered so much as to become a different thing from what it was originally. This is far more probable than any miraculous interference at the building of Babel. The difficulty of conceiving how languages should be so numerous and so different, rests upon the supposition that the primitive language was copious and perfect; but suppose it no more so than was necessary to primitive wants, the difficulty no longer remains.

Observations succeed on the utility of different languages, and the necessity of attending to the construction

struction of more than one, by those who wish accurately to understand their own.

On a Philosophical Language: Sketch of Dr. Wallis's* plan. Doubts whether a distribution of of things and characters into classes, can be managed sufficiently well, in the present state of knowledge: whenever the present diversity of languages has sufficiently answered all the beneficial purposes for which it was ordained or permitted: whether the theory of languages itself as an abstract science, be sufficiently advanced, to enable us to frame a philosophical language and character, that will answer the proposed ends. But he thinks, that when the present diversity has continued so long as to be *functa officio*, it will gradually bring in the necessity of such a language as has been proposed.

The volume closes with a list of the books he made use of, viz. the Grammars of Messieurs de Port Royal. Harris's Hermes. Bayley's Introduction to Language. Robertsons method of reading Hebrew.

This is a misprint for *Wilkins*. Dr. Wallis's Grammar and his Dissertation de Loquela seu Sonorum formatione is curious, and appears to have been practically applicable to the teaching of deaf persons to speak.

Hebrew. Hartley on man. Du Fresnès Glossary of modern Greek. Reland's Miscellaneous Dissert. Richards's Welch Grammar and Dictionary. Wilkins's Essay toward a real Character and Philosophical Language. Brerewood on Language, and Sharpe's two Dissertations on Language.

Had he revised these Lectures, with the advantage (in addition to much more reading and reflection) of Mr. Horne Tooke's labours, and the books referred to by him, and some few others easily obtained, they would have been well worth the attention of the public in such an improved state: as they are, I know of no treatise so well adapted to the purposes for which it was composed and compiled.

I have been the more diffuse on this work of Dr. Priestley because it does not appear to have been much known beyond the circle of his students. The printed copy he kept by him, has spaces left for the Greek and Hebrew quotations which he has inserted in his own hand writing, with a few corrections and additions in short hand. Indeed he has mentioned in the prefixed advertisement, that if these Lectures should happen to fall into other hands than those for whom they

they were intended, they must only be regarded as the heads of discourses to be enlarged upon by the Lecturer at the time of delivery.

The Lectures on Oratory and Criticism, and the Lectures on General History and Civil Policy, of which last a new edition has lately been published in two volumes, at Philadelphia, are too well known to require to be enlarged upon. In the former the only peculiarity seems to be the adoption of Hartley's Theory of Association to explain and illustrate many of the subjects treated, to which no doubt that theory is well fitted.

The Lectures on History and Civil Policy have been so well received by the public, and they treat of subjects so important, and contain such a mass of information, that they must long remain a stock-book to the student.

In the last edition of these Lectures, the Dr. has inserted a new chapter on the constitution of the United States (chap. 43) in which among other observations he has introduced the following.

"To this view of the constitution of the United States I shall take the liberty to subjoin a hint of what appears to me to be of particular importance as a

maxim of policy in the present state of the country in general, though I have enlarged upon it on another occasion, it is not to favour one class of the citizens more than another by any measure of government, especially the merchant more than the farmer."

"Their employments are equally useful to the country, and therefore they are equally entitled to attention and protection, but not one more than the other."

"If the merchant will risk his property at sea, let him calculate that risk, and abide by the consequence of it, as the husbandman must do with respect to the seed that he commits to the earth; and let not the country consider itself as under any obligation to indemnify one for his risks and losses any more than the other, especially as, in the case of the merchant, it might be the cause of a war with foreign states. If there should be danger from the depredations of privateers, or ships of war of any other kind, let the merchants have the power of defending their property, and let them and the insurers indemnify themselves, as they always will do, by the advanced price of their goods, but in no other way whatever. If in defending themselves they offend other nations, let them be

given

given up to punishment as pirates. If the risk of a national quarrel be manifest, let the trade be prohibited."

"If the expence of fitting out fleets for the protection of any branch of commerce exceeds the advantages that arise to the country from that commerce, there cannot be any wisdom in prosecuting it. In that case let that branch of commerce be abandoned; and it may be depended upon that the country will not long be in want of any valuable commodity with which the merchants of other countries can supply it, and that the competition will prevent the price from becoming exorbitant."

"No proper *merchandise*, or the peculiar advantage of it, would be lost by this means; but only that particular branch of industry and gain called the *carrying trade*, which would be left to other nations that could carry it on to more advantage; while the exchange of commodities, that of the articles that the country can spare, for those that it wants, would be the same as before; and the capital that had been employed in the carrying trade might be employed to more advantage some other way, of which the holders will be the best judges."

This important subject, he has treated more at length in a paper published in the "Aurora" signed a Quaker in politics, which is subjoined to this Appendix.

This subject was afterwards treated somewhat more systematically by Mr. Cooper in a paper published among his Essays, and the same general ideas have been advanced by Arthur Young, Esquire. It would be well for the rising generation of this continent, if the momentous question so discussed, were as fully considered by our legislators and statesmen as its importance deserves.

I believe the Chart of Biography, is an invention to which Dr. Priestley has the sole claim, and a beautiful specimen it is, of the aid which memory may derive from mechanical contrivance. Dr. Gray's *Memoria technica*, though ingenious, is still a great exertion on the memory, from the number of harsh and arbitrary sounds of which the verses according to his plan must necessarily be composed: and the missing or mistake of a single letter is fatal to the required accuracy. In this map, a glance of the eye takes in not only the period of life of the person who is the object of enquiry, but that of all his cotemporaries.

raries. This chart has had tolerable success: a new and improved edition of it has been engraven in this country: but it is not yet so general an article of furniture in a literary room, as it deserves to be.

The Chart of History, is an improvement by Dr. Priestley on a French plan of the same kind, and is doubtless of great use as exhibiting at one view a number of the most important general facts of history in connexion with each other, and as suggesting many reflections which would not so obviously occur on the perusal of history in detail. It is also very convenient as an historical compend for occasional reference.

The general idea of these charts has been since adopted and applied with great ingenuity by Mr. Playfair to the rise and progress of national debt, and I believe of national import and export. It might be extended to many other objects of statistic importance, and suggest reflections at a small expence of labour, which might never arise in any other way.

One of the last papers written by Dr. Priestley and which seems to belong to the miscellaneous class of his writings was a letter to Dr. Wistar in reply to Dr. Darwin's observations on Spontaneous Vitality.

Dr. Darwin had made use of Dr. Priestley's experiments on the *conferva fontinalis*, a green matter produced on stagnant water, as favourable to the hypothesis of equivocal generation; whereas Dr. Priestley who was always of opinion that if a mite could be thus produced, so also might a mammoth or a man, deemed this revival of an exploded hypothesis a direct introduction to Atheism.

Certain it is, that if we argue from facts that we do know, to similar facts with which we are not so well acquainted, a mode of philosophizing undoubtedly legitimate, the preponderance of probability is against the notion revived by Dr. Darwin.* Still however many facts concerning the generation of the smaller animals as insects and animalcules are so perfectly anomalous, as in the case of the Aphis and we know so little on this subject as it respects this whole class of organized beings, that our analogies drawn from the

* I do not recollect any late author of credit who has leaned to the doctrine of equivocal generation beside Darwin, except Mr. Bayley in his Morbid Anatomy: nor do I wonder that Mushrooms, Hydatids, and all the tribe of worms that generate in the viscera of the larger animals should suggest, for a while, some doubts of the more modern and popular hypothesis.

the production of the more perfect when applied to the less perfect orders of animal life, as the earth worm, the polypi, the hydra, the millepes and the whole class of Zoophytes, that room may still be left for reasonable doubt. Rousseau very properly observes that a philosopher has frequent occasion to say *J'ignore* but very rarely *c'est impossible*. I do not see the *certain* tendency of this opinion to atheism, for this property of spontaneous production may have been originally communicated under certain circumstances as well as any of the other properties of organized or unorganized matter; and the one and the other may be equally necessary parts of the pre-established order of things. But if it do lead to Atheism, what then? There can be no crime in following truth wherever it lead, and I think we have sufficient reason upon the whole to believe, that the result of truth must be more beneficial to mankind than error. Nor can I see how the belief of no God can be more detrimental to society or render a man less fit as a citizen than the belief of the thirty thousand Gods of the Pagans,* or the equal absurdities of tri-

* I believe the learned mystic and pagan of modern days, Mr. Taylor is in moral deportment a pattern to his Christian compeers. Wh

nitarian orthodoxy. It is very dubious whether the practice (the profane practice I might safely say) of resorting

Who would not prefer the dispositions of this man, as far as they are known, to the sneering, sarcastic, the insolent and the intolerant Bishop of Rochester? I cannot suspect this Hierarchist of having perused either the Phœdo of Plato in the original or the commentary of Olympiodorus, especially since his parade of Zuicker, whose works it is highly probable he had never seen. But I cannot help suspecting he had seen the following quotation from the commentator above mentioned, which I produce for the amusement of the reader as proper companion to the Bishop's notion of the origin of Jesus Christ, the second Person in the Trinity. In his charge to the Clergy of St. Albans, the then Archdeacon (a Saint in crape; but twice a Saint in Lawn!) says, p. 55. "The sense of Athenagoras is, that "the personal existence of a divine logos is implied in the very idea "of a God. And the argument rests on a principal which was com- "mon to all the platonic fathers, and seemed to be founded in Scrip- "ture, *that the existence of the Son flows necessarily from the father's* "*contemplation of his own perfections*. But as the Father ever was, "his perfections have ever been, and his intellect has been ever ac- "tive. But perfections which have ever been, the ever active intel- "lect must ever have contemplated, and the contemplation which "has ever been must ever have been accompanied with its just effect, "the personal existence of the Son."

Admirable logician! how clearly does this explanation unfold all the mysterious process of God the Father begetting God the Son, who it is to be presumed in some similar fit of contemplation begat

God

resorting on all occasions to oaths, has done more good than harm: and if society cannot offer within itself sufficient sanctions of reward and punishment, by

God the Holy Ghost! What a pity these platonic Trinitarians should stop so soon? for the same means would doubtless have furnished us with deities in abundance. The Pagans had 30,000 Gods, why should the Christians content themselves with three?

This passage I long deemed unique, until I perused the DISSERTATION ON THE ELEUSINIAN AND BACCHIC MYSTERIES, which can acknowledge no author but Mr. Taylor. From many pages equally instructive. I copy the following translation of Olympiodorus, who *beautifully observes*, (says Mr. Taylor,) "That these four "governments obscurely signify the different gradations of virtues; "according to which our soul contains the symbols of all the virtues "both theoretical and cathartical, political and ethical; for it either "energizes according to the theoretic virtues, the paradigm of "which is the Government of Heaven, that we may begin from on "high; and on this account Heaven receives its denomination "παρα τουτο ανω ορων from beholding the things above; or "it lives cathartically, the exemplar of which is the Saturnian "Kingdom: and on this account Saturn is denominated, *from being "a pure intellect through a survey of himself*; and hence he is said to "devour his own offspring, signifying the conversion of himself to "himself: or it energizes according to the politic virtues, the sym- "bol of which is the government of Jupiter, and hence Jupiter is the "Demiurgus, so called from operating about second natures, "&c. &c."

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by positive institutions, and the still stronger influence of public sentiment and common interest, very little can be added in reality, by a recourse to the terms of eternal damnation. However well founded and useful the doctrine of a future state may be, it certainly was no part of the sanction proposed by the antient legislators. Dr. Sykes in his examination of Warburton's paradoxes shews this, with respect to the laws of Zaleucus, Charondas and Cicero, as well as those of Triptolemus, Draco, Solon, Lycurgus and Numa.

The modern and more accurate notions respecting matter, imperfect as they yet are and probably ever will be, favour the opinions of Dr. Darwin much more than the old doctrines on this subject. Matter is no longer treated of as the sluggish inert substance it was heretofore considered. Whatever be the substratum of its properties, we know those properties to

I believe I may have alluded elsewhere to this theory of divine generation propounded by the Reverend Bishop, but the subject of the present section forced this precious pair of parallel passages irresistibly on my fancy. I must plead with the poet.

To laugh, were want of Goodness and of Grace,
But to be grave, exceeds all powers of face.

to be highly, perpetually, and essentially active: entering continually into new combinations, and never for a moment permitting any aggregation organized or unorganized to continue precisely the same as at any given previous portion of time. Nor can the probability be denied, that there is a *nisus* to improvement in all organized beings, at least where that organization is attended with the slightest portion of volition, and the power of voluntary effort.

By these observations however I by no means wish to be understood as defending the doctrine of Equivocal Generation, which Dr. Darwin's ingenuity has again introduced to the notice of the philosophical world. But though the balance of probability may be on the side of the more fashionable opinion, I cannot help thinking that a candid observer may even yet be allowed to doubt.

Dr. Darwin seems to think that Dr. Priestley's green matter could not arise from seeds diffused through the air but must be generated in the water wherein it is observed. To ascertain this, Dr. Priestley, (who believed that all the parts of the plant or the animal pre-exist in the embryo and are merely extended, not formed anew by nutri-

nutrition) on the 1st of July 1803 placed in the open air several jars of pump water, two of them covered with olive oil, one in a phial with a ground glass stopper, one with a loose tin cover, and the rest with the surface of the water exposed to the atmosphere; and having found that the addition of vegetable matter aided the production of the *conferva*, he put twenty grains of sliced potatoe into each of the large vessels, and ten grains into each of the smaller. Into each of two very large decanters, the mouths of which were narrow, he put fifty grains: one of these had oil on the surface and the other none. He also filled a large phial with the same water, and inverted it in a vessel of mercury. In about a week the wide mouthed open vessel began to have green matter and the large decanter with a narrow mouth had the same appearance in three weeks. On the 1st of August the vessel which had a loose tin cover extending about half an inch below its edge, began to shew a slight tinge of green; and on the 1st of September the phial with a ground stopper (but which did not fit exactly) began to have green matter, but none of the vessels that were covered with oil, or had the mouth inverted in mercury shewed any such appearance.

ance. On the 11th of September having waited as he thought long enough, he put an end to the experiment.

Here then the access of air was evidently necessary to the production of this green matter, and in the stopt decanter, the seed must have insinuated itself through a very small interstice, and in the decanter covered with a tin cover, it must have ascended and then descended into the water. These facts Dr. Priestley regards as hostile to the hypothesis adopted by Dr. Darwin.

For the other observations on this subject which Dr. Priestley makes in his letter to Dr. Wistar, the reader must be referred to the 6th volume of the American Transactions, wherein it is, or will be printed.

I confess *(pace tanti viri)* that these experiments do not appear to me to be conclusive. The access of air seems almost universally necessary as a stimulus to animal life in the cases which we are well acquainted with, though some of the insect tribe seem to furnish exceptions. The oxygenated arterial blood is evidently conveyed to the infant by the umbilical vessels and placenta: nor do we know decidedly

edly of any animal or plant that can live without access of air. No wonder therefore that the same might be the case with the plant in question. The subject deserves more consideration by means of direct experiment than has yet been given it.

As to the opinion to which Dr. Priestley seems to incline in common with Haller and Bonnet and Spalanzani, that the original seed contained the embryons of all future plants, and that our first mother Eve bore in her ovaria every individual of the human race, like a nest of boxes in a turner's shop, one within the other (Emboitement as Bonnet calls it) I cannot think it will maintain its ground. To suppose that five or six hundred thousand millions of human creatures were thus pent up all perfect and ready formed, in the small compass assigned for their reception in the first female parent, is so pregnant with absurdity, that the relations of Bishop Pontoppidan are as the axioms of Euclid to it. I have not seen Blumenbach's work on generation, nor do I know whether the *conferva fontinalis* on which he experimented, was the green vegetable matter of Dr. Priestley. I agree however to the ridicule which he throws on this system in the extract which Dr. Willich has given

(Lect.

(Lect. p. 376 ed. Boston) and I think his plastic *nisus* is sufficiently near to the spontaneous vitality of Dr. Darwin to class these philosophers together so far as the present subject is concerned.

THE

THE FOLLOWING

FUGITIVE PIECES BY DR. PRIESTLEY,

Are deemed sufficiently interesting to be preserved; and as two of them have hitherto been published only in a Newspaper or a Magazine, they are inserted here as properly belonging to the class of his Miscellaneous works. The paper concerning Mr. Burke, was prepared by Dr. Priestley for the Press but a few days before his death, and has not hitherto appeared in print.

MAXIMS OF POLITICAL ARITHMETIC,

Applied to the case of the United States of America, first published in the Aurora, February 26 and 27, 1798. (By a Quaker in Politics.)

AN idea of the true interests of any country is perhaps most easily formed by supposing it to be the property of one person, who would naturally wish to derive the greatest advantage from it, and who would therefore, lay out his capital in such a manner as to make it the most productive to him. An attention to the separate and discordant interests of different clas-

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ses of men, is apt to distract the mind: but when all the people are considered as members of one family, who can be disposed of, and employed, as the head of it shall direct, for the common benefit, that cause of embarrassment is removed.

To derive the greatest advantage from any country it will be necessary that attention be paid, in the first place, to the wants of nature, and to raise from it, in the greatest quantity and perfection, such productions as are necessary to feed and clothe the inhabitants, and to provide them with habitations, in order to guard them against the inclemency of the weather; and after this such as are of use to their more comfortable accommodation, and the supply of artificial wants.

If any country be completely insulated, or cut off from all communication with other countries, it will be necessary to raise all those articles within itself; but when a communication is opened with other countries, the proprietor will do well to give his whole attention to those productions which his own country can best yield, and exchange the surplus for such articles as other countries can better supply him with. For by that means, his labour will be employed to the

most advantage. If, for example, it would employ him a month to go through all the processes which are necessary to make a piece of cloth, when the effect of the labour of a week in his husbandry would enable him to purchase that cloth, it will be better for him to confine himself to his husbandry, and buy his cloth; besides that, not making it his sole business, he would not, with any labour, make it so well. And now that a communication by sea with all parts of the world is so well established, that it may be depended upon that whatever any country wants another can supply it with, to the advantage of both, this exchange may be made with little interruption, even by war.

Commerce consists in the exchange of the commodities of one country for those of another; and as this, like any other business, will be performed to the most advantage by persons who give their whole attention to it, and who are called *merchants*, it will be most convenient, in general, that this be done by them, rather than by those who employ themselves in raising the produce. The business of conveying the produce of one country to another is a different thing from merchandise. Those who employ ships

for

for this purpose, are paid for their trouble by the freight of their vessels, while the merchant subsists from what he gains by the exchange of commodities.

What is generally termed *active commerce* is that which is carried on by the natives of any country in ships of their own, conveying their produce to other countries, and bringing back theirs in return; and that is called *passive commerce* which is carried on at home, people of other countries bringing their commodities, and taking back what they want in exchange for them. The quantity of proper commerce, or merchandize, is the same in both these cases. All the difference consists in the employment given to the carriers, and the shipping, of the different countries.

While the communication with other countries by sea is open, it cannot be for the interest of any country, either to impose duties on goods brought into it, or to give bounties on those that are exported: because, by both these means, the people are made to pay more than they otherwise would do for the same benefit. In both cases the price of the goods must be advanced. He who pays the duty will be refund-

ed at least, by the persons who purchase the commodity, and the bounty to the vender must be paid by a tax on all the inhabitants.

It is, no doubt, the interest of any particular class of persons to extend their business, and thereby increase their gains. But if their fellow citizens pay more in the advanced price of what they purchase than their gain amounts to, the community is a loser; and if it be equal, one class is made to contribute to the maintenance of another, when all have an equal natural right to the fruits of their own labour.

For the same reason, if, on any account, the conveyance of goods from one country to another be attended with more loss than gain, the person in whose hands was the property of the whole would discontinue that branch of business, and employ his capital in some other way, or rather let it remain unproductive than employ it to a certain loss.

These maxims appear to me to be incontrovertible in the abstract. What then may be learned from them with respect to this country, situated as it now is?

Without enquiring into the cause, which is no part of my object, it is a fact, that the conveyance of goods,

goods, or the carrying trade of this country, which has generally been taken up by the merchants, though it is no necessary branch of their business, is peculiarly hazardous, and of course expensive. This expence the country at large must pay, in the advanced price of the goods purchased. In this state of things it has also been found necessary to send ambassadors to distant countries, in order to remove the supposed cause of the difficulty, which is attended with another expence. It has likewise been thought necessary to build ships of war for the purpose of protecting this carrying trade; and if this be done to any effect it must be attended with much more expence.

I do not pretend to be able to calculate the expence occasioned by any of these circumstances; but the amount of all the three, viz. the additional price to the carrier to indemnify him for his risque, the expence of ambassadors, and that of fitting out ships of war, I cannot help thinking must be much more than all the profit that can be derived from the carrying trade; and if so, a person who had the absolute command of all the shipping, and all the capital, of the country, would see it to be his interest to lay up

his ships for the present, and make some other use of his capital. And as the greatest part of the country is as yet uncleared, and there is a great want of roads, bridges and canals, the use of which would sufficiently repay him for any sums laid out upon them, and they would not fail to contribute to the improvement of the country, which I suppose to be his estate, he would naturally lay out his superfluous capital on these great objects. The expence of building one man of war would suffice to make a bridge over a river of considerable extent, and (which ought to be a serious consideration) the morals of labourers are much better preserved than those of seamen; and especially those of soldiers.

Another great advantage attending this conduct is, that the country would be in no danger of quarrelling with any of its neighbours, and thereby the hazard of war, which is necessarily attended with incalculable evils, physical and moral, would be avoided. To make this case easier to myself, I would consider injuries done by other nations, in the same light as losses by hurricanes or earthquakes; and without indulging any resentment, I would repair the damage as well as I could. I would not be angry

where

where anger could answer no good end. If one nation affront another, the people would do best to take it patiently, and content themselves with making remonstrances. There is the truest dignity in this conduct; and unprovoked injuries would not often be repeated, at the injurious nation would soon find that it gained neither credit not advantage by such behaviour.

This is the case with independent individuals, and why should it be otherwise with independent nations? Rash and hasty men, standing on what they fancy to be *honour*, are ever quarrelling, and doing themselves, as well as others, infinitely more mischief than could possibly arise from behaving with christian meekness and forbearance. In fact, they act like children, who have no command of their passions, and not like men, governed by reason. In this calculation, peace of mind, which is preserved by the meek, and lost by the quarrelsome, is a very important article.

It will be said, that merchants, having no other occupation than that of sending goods to foreign conntries, by which their own is benefited, have a *right* to the protection of their country. But what is the *rule of right* in this, or any other case? It must

be regulated by a regard to the good of the whole; and if the country receive more injury than benefit by any branch of business, it ought to be discontinued; and those who engage in any business, should lay their account with the risque to which it is exposed, as much as the farmer with the risque of bad seasons, for which his country makes him no indemnification, though his employment is as beneficial to it as that of the merchant.

If, therefore, in these circumstances of extraordinary hazard, any person will send his goods to sea, it should be at his own risque: and the country, which receives more injury than advantage from it, and whose peace is endangered by it, should not indemnify him for any loss. Let him, however, be fully apprised of this; and if he will persist in doing as he has done, the consequence is to himself, and his country is not implicated in it.

This is a country which wants nothing but *peace*, and an attention to its natural advantages, to make it most flourishing and respectable: and wanting the manufactures of other countries, its friendship will be courted by them all, on account of the advantage they will derive from an intercourse with it. Other countries

countries being fully peopled, the inhabitants *must* apply to manufactures; and where can they find such a market as this must necessarily be? And on account of the rivalship and competition which there will be among them, the people of this country cannot fail to be served in the cheapest manner by them all. This will be independent of all their politics, with which this country has nothing to do. But if, by endeavouring to rival any of them in naval power (which will only resemble the frog in the fable endeavouring to swell itself to the size of the ox) it excites their jealousy, and this country should join any one of them against any other, it will certainly not only lose the advantage it might derive from the trade of that country, but pay dearly for its folly, by the evils of a state of warfare.

What seems to be more particularly impolitic in this country, as ill suiting the state of it, is the duty on the importation of *books*, which are so much wanted, and which even great encouragement could not produce here. Is it at all probable that such works as the Greek and Latin classics, those of the christian Fathers, the Polyglott Bible, the Philosophical Transactions, or the members of the Academy of Sciences,

Sciences, &c. &c. will, in the time of our great grand children be printed in the United States? and yet there is a heavy duty on their importation; and for every printer, or maker of paper for printing, there are, no doubt, several thousand purchasers of books, all of whom are taxed for their advantage. In these circumstances, it were surely better to have more cultivators of the ground, and fewer printers.

When I see at what expence ambassadors are sent to foreign and distant countries, with which this country has little or no intercourse; and when it is very problematical whether in any case, they have not done more harm than good, and think what solid advantage might be derived from half the expence in sending out men of science for the purpose of purchasing works of literature and philosophical instruments, of which all the universities and colleges of this country are most disgracefully destitute; and that the expence of one of the three frigates would have supplied all of them with telescopes equal to that of Dr. Herschell, and other philosophical instruments in the same great style, to the immortal honour of any administration, I lament that the progress of national wisdom should be so slow,

and

and that our country profits so little by the experience and the folly of others. The Chinese never had resident ambassadors in any country, and what country has flourished more than China?

A foreigner travelling in the interior part of this country, and finding the want of roads, bridges and inns, wonders that things of such manifest utility should not have more attention paid to them, when he sees that great sums are raised and expended on objects, the use of which is at best very doubtful. And men of letters coming to reside here, find their hands tied up. Books of literature are not to be had, and philosophical instruments can neither be made nor purchased. Every thing of the kind must be had from Europe, and pay a duty on importation.

But all this may be short sighted speculation; and it may be, nay I doubt not it is, better for the world at large, that this progress should not be so rapid; that a long state of infancy, childhood and folly, should precede that of manhood and true wisdom; and that vices, which will spring up in all countries, are better checked by the calamities of war than by reason and philosophy.

It may be the wise plan of Providence, by means

of

of the folly of man, to involve this country in the vortex of European politics, and the misery of European wars; and to prevent the importation of the means of knowledge till a better use would be made of them. Nations make slower advances in wisdom than individual men, in some proportion to their longer duration. But what they acquire at a greater expence, they retain better; so that, I doubt not, there is much wisdom in this part of the general constitution of things.

A stranger is apt to wonder that political animosity should have got to so great a height in this country, when all were so lately united in their contest with a common enemy; and that their enmity, which cannot be of long standing, should be as inveterate as in the oldest countries, where parties have subsisted time immemorial. But it may be the design of Providence, by this means, to divide this widely extended country into smaller States, which shall be at war with each other, that by their common sufferings their common vices may be corrected, and thus lay a foundation for the solid acquisition of wisdom; which will be more valued in consequence of having been more dearly bought in some future age.

Divided

Divided as the people of this country are, some in favour of France, and others of England, I should not much wonder, if the decision of the government in favour of either of them should be the cause of a civil war. But even this, the most calamitous of all events, would promote a greater agitation of men's minds, and be a more effectual check to the progress of luxury, vice, and folly, than any other mode of discipline, and at the same time that it will evince the folly of man, may display the wisdom of Him who *ruleth in the kingdoms of men*, and who appoints for all nations such governments, and such governors, as their state, and that of other countries connected with them, really requires. Pharaoh occupied as important a station in the plan of Divine Providence, as king David, though called *a man after God's own heart*. For his wise and excellent purposes, the one was as necessary as the other.

Many lives, no doubt, will be lost in war, civil or foreign; but men must die; and if the destruction of one generation be the means of producing another which shall be wiser and better, the good will exceed the evil, great as it may be, and greatly to be deplored, as all evils ought to be.

A stran-

A stranger naturally expects to find a greater simplicity of manners, and more virtue, in this *new country*, as it is called, than in the old ones. But a nearer acquaintance with it, will convince him, that, considering how easily subsistence is procured here, and consequently how few incitements there are to the vices of the lower classes especially, there is less virtue as well as less knowledge, than in most of the countries of Europe. In many parts of the United States there is also less religion, at least of a rational and useful kind. And where there is no sense of religion, no fear of God, or respect to a future state, there will be no good morals that can be depended upon. Laws may restrain the excesses of vice, but they cannot impart the principles of virtue.

Infidelity has made great progress in France, through all the continent of Europe, and also in England; but I much question whether it be not as great in America; and the want of information in the people at large, makes thousands of them the dupes of such shallow writings as those of Mr. Paine, and the French unbelievers, several of which are translated and published here; and either through

through want of knowledge, or of zeal, little or nothing is done by the friends of Revelation, to stop the baneful torrent.

All this, however, I doubt not, will appear to have been ultimately for the best. Let temperate and wise men forwarn the country of its danger, and, as they are in duty bound, endeavour to prevent, or alleviate, evils of every kind. Their conduct will meet the approbation of the great Governor of the universe; and, in all events, He, whose will no foreign power can control, being the true and benevolent parent of all the the human race, will provide for the happiness of his offspring in the most effectual manner, though, to our imperfect understanding, the steps which lead to it be incomprehensible. We must not do evil that good may come, because our understanding is finite, and therefore we cannot be sure that the good we intend will come. But the Divine Being, whose foresight is unerring, continually acts upon that maxim, and, as we see, to the greatest advantage.

To the Editor of the Monthly Magazine.

SIR,

I HAVE just read in the Monthly Review, vol. 36, p. 357, that the late Mr. Pennant said of Dr. Franklin, that, "living under the protection of our mild government, he was secretly playing the incendiary, and too successfully inflaming the minds of our fellow-subjects in America, until that great explosion happened, which for ever disunited us from our once happy colonies."

As it is in my power, as far as my testimony will be regarded, to refute this charge, I think it due to our friendship to do it. It is probable that no person now living was better acquainted with Dr. Franklin and his sentiments on all subjects of importance, than myself, for several years before the American war. I think I knew him as well as one man can generally know another. At that time I spent the winters in London, in the family of the Marquis of Landsdown, and few days passed without my seeing more or less of Dr. Franklin; and the last day that he passed in England, having given out that he should depart the day before, we spent together, without any interruption, from morning until night.

Now

Now he was so far from wishing for a rupture with the colonies, that he did more than most men would have done to prevent it. His constant advice to his countrymen, he always said, was "to bear every thing from England, however unjust;" saying, that "it could not last long, as they would soon outgrow all their hardships." On this account Dr. Price, who then corresponded with some of the principal persons in America, said, he began to be very unpopular there. He always said, "If there must be a war, it will be a war of ten years, and I shall not live to see the end of it." This I have heard him say many times.

It was at his request, enforced by that of Dr. Fothergil, that I wrote an anonymous pamphlet, calculated to shew the injustice and impolicy of a war with the Colonies, previous to the meeting of a new Parliament. As I then lived at Leeds, he corrected the press himself; and, to a passage in which I lamented the attempt to establish arbitrary power in so large a part of the British Empire, he added the following clause, "To the imminent hazard of our most valuable commerce, and of that national strength, security, and felicity, which depend on union and on liberty."

The unity of the British Empire in all its parts was a favourite idea of his. He used to compare it to a beautiful China vase, which, if once broken, could never be put together again: and so great an admirer was he at that time of the British Constitution, that he said he saw no inconvenience from its being extended over a great part of the globe. With these sentiments he left England; but when, on his arrival in America, he found the war begun, and that there was no receding, no man entered more warmly into the interests of what he then considered as *his country*, in opposition to that of Great Britain. Three of his letters to me, one written immediately on his landing, and published in the collection of his *Miscellaneous Works*, p. 365, 552, and 555, will prove this.

By many persons Dr. Franklin is considered as having been a cold-hearted man, so callous to every feeling of humanity, that the prospect of all the horrors of a civil war could not affect him. This was far from being the case. A great part of the day above-mentioned that we spent together, he was looking over a number of American newspapers, directing me what to extract from them for the English

lish ones; and, in reading them, he was frequently not able to proceed for the tears literally running down his cheeks. To strangers he was cold and reserved; but where he was intimate, no man indulged more in pleasantry and good-humour. By this he was the delight of a club, to which he alludes in one of the letters above referred to, called the *Whig-Club*, that met at the London Coffee-house, of which Dr. Price, Dr. Kippis, Mr. John Lee, and others of the same stamp, were members.

Hoping that this vindication of Dr. Franklin will give pleasure to many of your readers, I shall proceed to relate some particulars relating to his behaviour, when Lord Loughborough, then Mr. Wedderburn, pronounced his violent invective against him at the Privy Council, on his presenting the complaints of the Province of Massachusetts (I think it was) against their governor. Some of the particulars may be thought amusing.

On the morning of the day on which the cause was to be heard, I met Mr. Burke in Parliament-street, accompanied by Dr. Douglas, afterwards Bishop of Carlisle; and after introducing us to each other, as men of letters, he asked me whither I was

going; I said, I could tell him whither I *wished* to go. He then asking me where that was, I said to the Privy Council, but that I was afraid I could not get admission. He then desired me to go along with him. Accordingly I did; but when we got to the anti-room, we found it quite filled with persons as desirous of getting admission as ourselves. Seeing this, I said, we should never get through the crowd. He said, "Give me your arm;" and, locking it fast in his, he soon made his way to the door of the Privy Council. I then said, Mr. Burke, you are an excellent leader; he replied, "I wish other persons thought so too."

After waiting a short time, the door of the Privy Council opened, and we entered the first; when Mr. Burke took his stand behind the first chair next to the President, and I behind that the next to his. When the business was opened, it was sufficiently evident, from the speech of Mr. Wedderburn, who was Counsel for the Governor, that the real object of the Court was to insult Dr. Franklin. All this time he stood in a corner of the room, not far from me, without the least apparent emotion.

Mr. Dunning who was the leading Counsel on the part

part of the Colony, was so hoarse that he could hardly make himself heard; and Mr. Lee, who was the second, spoke but feebly in reply; so that Mr. Wedderburn had a complete triumph.—At the sallies of his sarcastic wit, all the members of the Council, the President himself (Lord Gower) not excepted, frequently laughed outright. No person belonging to the Council behaved with decent gravity, except Lord North, who, coming late, took his stand behind the chair opposite to me.

When the business was over, Dr. Franklin, in going out, took me by the hand in a manner that indicated some feeling. I soon followed him, and, going through the anti-room, saw Mr. Wedderburn there surrounded with a circle of his friends and admirers. Being known to him, he stepped forward as if to speak to me; but I turned aside, and made what haste I could out of the place.

The next morning I breakfasted with the Doctor, when he said, "He had never before been so sensible of the power of a good conscience; for that if he had not considered the thing for which he had been so much insulted, as one of the best actions of his life, and what he should certainly do again in the

same circumstances, he could not have supported it; He was accused of clandestinely procuring certain letters, containing complaints against the Governor, and sending them to America, with a view to excite their animosity against him, and thus to embroil the two countries. But he assured me, that he did not even know that such letters existed, until they were brought to him as agent for the Colony, in order to be sent to his constituents; and the cover of letters, on which the direction had been written, being lost, he only guessed at the person to whom they were addressed by the contents.

That Dr. Franklin, notwithstanding he did not shew it at the time, was much impressed by the business of the Privy Council, appeared from this circumstance:—When he attended there, he was dressed in a suit of Manchester velvet; and Silas Dean told me, that, when they met at Paris to sign the treaty between France and America, he purposely put on that suit.

Hoping that this communication will be of some service to the memory of Dr. Franklin, and gratify his friends, I am Sir, your's &c.

J. PRIESTLEY.

Northumberland, Nov. 10th, 1802.

HAVING in my defence of Dr. Franklin, published in the Monthly Magazine, for February 1803, mentioned a circumstance which implied that at that time there subsisted a considerable degree of intimacy between me and *Mr. Burke;* and several persons will wish to know how that intimacy came to terminate, and what could be the cause of the inveteracy with which some years before his death he took every opportunity of treating me, especially by studiously introducing my name, in a manner calculated to excite the strongest resentment, in his speeches in the House of Commons, to which he knew it was not in my power to make any reply, I have no objection to giving the best account that I can of it. It shall be distinct, fair, and candid.

We were first introduced to each other by our common friend Mr. John Lee, while I lived at Leeds, and we had then no difference of opinion whatever, that I knew of, on any subject of *politics*, except that he thought the power of the crown would be checked in the best manner by increasing the influence of the great whig families in the country; while I was of opinion that the same end which we both aimed at would be most effectually secured by a more equal

representation of the Commons in Parliament. But this subject was never the occasion of any discussion, or debate, between us, except at one time, in the presence of Mr. Lee, at Mr. Burke's table; and this was occasioned by a recent publication of his, on the cause of the *discontents* which then prevailed very generally in the kingdom; a pamphlet of which neither Mr. Lee nor myself concealed our disapprobation, thinking the principles of it much too aristocratical.

When the American war broke out, this difference of opinion did not seem to be thought of by either of us. We had but one opinion, and one wish, on *that* subject; and this was the same with all who were classed by us among the friends of the liberty of England. On the probable approach of that war, but a few years before it actually took place, being still at Leeds, I wrote two anonymous pamphlets, one entitled *The present state of liberty in Great Britain and the colonies*, which gained me the friendship of Sir George Saville, the good opinion of the Marquis of Rockingham, and many other persons, then in opposition to the ministry. Cheap editions were soon printed of that pamphlet, and they

were

were distributed in great number through the kingdom. Soon after this, at the earnest and joint request of Dr. Franklin and Dr. Fothergil I wrote another pamphlet, entitled, *an Address to Dissenters* on the same subject, one sentence of which was written by Dr. Franklin, who corrected the press, as was mentioned in my last. This pamphlet was circulated with more assiduity, and was thought to have had more effect, than any thing that was addressed to the public at the time. Dr. Franklin said it was his serious opinion, that it was one principal reason with the ministry of that day for dissolving the parliament a year sooner than usual; and at the next meeting of parliament, I heard Lord Suffolk, then secretary of state avow that it was done to prevent the minds of the people from being poisoned by artful and dangerous publications, or some expressions of an equivalent nature.

So far Mr. Burke and I proceeded with perfect harmony, until after I had left the Marquis of Landsdowne and while I was in his family I was careful not to publish any political pamphlet, or paragraph whatever, lest it should be thought that I did it at his instigation, whereas politics was expressly excluded

from

from our connexion. But I thought it right never to conceal my sentiments with respect to events that interested every body; and they were always in perfect concurrence with those of Mr. Burke, with whom I had frequent interviews.

The last of these was when I lived at Birmingham; when being accompanied by his son, he called and spent a great part of the afternoon with me.

After much general conversation, he took me aside to a small terrace in the garden in which the house stood, to tell me that Lord Shelburne, who was then prime minister, finding his influence diminished, and of course his situation uncertain, had made proposals to join Lord North. Having had a better opportunity of knowing the principles, and character of his Lordship than Mr. Burke, I seemed (as he must have thought) a little incredulous on the subject. But before I could make any reply, he said, "I see "you do not believe me, but you may depend upon "it he has made overtures to him, and in writing," and without any reply, I believe, on my part (for I did not give much credit to the information) we returned to the rest of the company. However, it was not much more than a month, or six weeks, after this

this before he himself did the very thing that, whether right or wrong, expedient or inexpedient (for there were various opinions on the subject) he at that time mentioned as a thing so atrocious, as hardly to be credible.

After this our intimacy ceased; and I saw nothing of him except by accident. But his particular animosity was excited by my answer to his book on the *French Revolution*, in which, though he introduced a compliment to me, it was accompanied with sufficient asperity. The whole of the paragraph, which related to the friends of the revolution in general, is as follows.

"Some of them are so heated with their particular "religious theories, that they give more than hints "that the fall of the civil powers, with all the dread-"ful consequences of that fall, provided they might "be of service to their theories, would not be unac-"ceptable to them, or very remote from their wishes. "A man amongst them of great authority, and cer-"tainly of great talents, speaking of a supposed alli-"ance between Church and State, says *perhaps we* "*must wait for the fall of the civil powers before* "*this most unnatural alliance be broken. Calami-*

"*tous*,

" *tous, no doubt will that time be. But what con-*
" *vulsions in the political world ought to be a subject*
" *of lamentation, if it be attended with so desirable*
" *an effect?* You see with what a steady eye these
" gentlemen are prepared to view the greatest cala-
" mities which can befal their country! "

The sentiment, however, of this offensive paragraph with which I closed my *History of the Corruptions of Christianity*, and which has been quoted by many others, in order to render me obnoxious to the English government, had no particular, or principal, view to England; but to all those countries in which the unnatural alliance between Church and State subsisted, and especially those European States which had been parts of the Roman Empire, but were then in communion with the Church of Rome. Besides that the interpretation of prophecy ought to be free to all, it is the opinion I believe of every commentator, that those States are doomed to destruction. Dr. Hartley, a man never suspected of sedition, has expressed himself more strongly on this subject than I have done. Nothing, however, that any of us have advanced on the subject implies the least degree of *ill-will* to any of those countries; for though

we

we cannot but foresee the approaching calamity, we *lament* it; and, as we sufficiently intimated, that timely reformation would prevent it, we ought to be thanked for our faithful, though unwelcome, warnings.

Though, in my answer to Mr. Burke, I did not spare his *principles*, I preserved all the respect that was due to an *old friend*, as the letters which I addressed to him will shew. From this time, however, without any further provocation, instigated, I believe, by the bigotted clergy, he not only never omitted, but evidently sought, and took every advantage that he could, of opportunities to add to the odium under which I lay.

Among other things he asserted in one of his speeches, that "*I was made a citizen of France on "account of my declared hostility to the constitution of "England;*" a charge for which there was no foundation, and of which it was not in his power to produce any proof. In the public papers, therefore, which was all the resource I had at that time, I denied the charge, and called upon him for the proof of what he had advanced; at the same time sending him the newspaper in which this was contained, but

he

he made no reply. In my preface to a Fast Sermon in the year following, I therefore said that it sufficiently appeared that "he had neither ability to maintain his charge, nor virtue to retract it." This also was conveyed to him. Another year having elapsed, without his making any reply, I added, in the preface to another Sermon, after repeating what I had said before, "a year more of silence on his part having now elapsed, this is become more evident than before." This also he bore in silence.

A circumstance that shows peculiar malignity was, that on the breaking out of the *riots of Birmingham* a person who at that time lodged in the same house with him at Margate, informed me that he could not contain his joy on the occasion; but that running from place to place, he expressed it in the most unequivocal manner.

After this I never heard any thing concerning Mr. Burke, but from his publications, except that I had a pretty early and authentic account of his *first pension*, which he had taken some pains to conceal. Such is sometimes the fate of the most promising, and long continued, of human friendships.

But

But if I have been disappointed in some of them, I have derived abundant satisfaction, and advantage from others.

J. PRIESTLEY.

Northumberland, February 1, 1804.

APPENDIX, NO. 5.

A Summary of Dr. Priestley's Religious Opinions.

IT has already been mentioned that it was once the intention of Dr. Priestley to draw up a brief statement of his Theological opinions; not only to prevent misconception and misrepresentation, of which in his case there has been more than a common portion, but also to exhibit a system of Faith, plain, rational and consistent, such as common sense would not revolt at, and philosophy might adopt without disgrace.

This merit at least, (no common one) Dr. Priestley is fairly entitled to in relation to the tenets he ultimately adopted. The prejudices of his youth were to be surmounted in the first instance. He had to encounter, not these only, but the prejudices of his early and most valued connections. Every change of his opinion, was at the time, in manifest hostility with his interest; and every public avowal on his part of what he deemed genuine Christianity, put in jeopardy the attachment of his friends, the

support of his family, and his public reputation: nor was this all: for it subjected him with fearful certainty, to the hue and cry which bigotry never fails to raise against those who in their search after truth, are hardy enough to set antient errors, and established absurdity at defiance.

The writings of Dr. Priestley however enable his readers to do that, which it is much to be regretted he did not find opportunity to do for himself. Not that any thing I can now venture to state on this subject will compensate for the accuracy and superior authenticity of such a confession of faith as he would have penned for himself; and still less for the energetic simplicity which would have characterized such a solemn condensation of the researches of half a century on the most important objects of human enquiry. But it is not improbable that a fair and impartial exhibition of the principal points of his religious creed, may serve to shew, that christianity, such as he conceived it to be in its original purity, and such as he professed and practised, has a direct tendency to make men wiser and better, more patient, resigned, and happy here, and affords hopes and prospects of futurity more cheering than those who are not christians can possibly enjoy.

That

That there are difficulties attending the evidences of christianity, which may give rise to important doubts in the breast even of serious and candid enquirers, no person who has duly studied the subject, and who is not paid for professing the fashionable side of the question, will be hardy enough to deny. Good and wise men have enlisted on both sides of the argument; nor is it an impeachment either of good sense or integrity, to adopt either side. The christian sneerers at honest infidelity, and the philosophic sneerers at rational christianity, appear to me equally distant from that frame and temper of mind which characterizes the real votary of truth.

I shall state then what appears to me, a fair summary of Dr. Priestley's religious creed, premising, that my own assent does not accompany all the tenets which on the maturest investigation, and on the fullest conviction, he adopted as the clearest and most important of truths. I would it were otherwise: but assent is not in our power to give or to withhold. Theology was a subject on which we had agreed to differ: a difference, which though a mutual source of regret, was to neither of us a cause of offence.

Dr. Priestley believed in the existence of one God:

one Supreme Creator and governor of the universe: eternal in duration; infinite in goodness, in wisdom and in power: to whom, and to whom alone, all honour is due for the good enjoyed by his creatures: to whom, and to whom alone all thanks were to be given for benefits received, and all prayer directed for benefits desired.

He believed, that the system of the universe formed by this being, was the best upon the whole that could have been devised by infinite goodness and wisdom, and executed by infinite power. That the end of creation, in all probability, was the happiness of the sentient and intelligent beings created. That the moral and physical evil observeable in the system, according to men's limited view of it, are necessary parts of the great plan; all tending ultimately to produce the greatest sum of happiness upon the whole, not only with respect to the system in general, but to each individual according to the station he occupies in it. So that, all things, in the language of Scripture, under the superintending providence of the Almighty "work together for good."—A system thus pre-ordained in all its parts, and under the influence and operation of general laws, implies the necessary depend-

dependence of every action and event on some other preceding as its cause until we arrive at the deity himself the first, the great and efficient cause of all. Such a system excludes also, the necessity of particular interpositions of Providence, other than such as might have been foreseen and pre-ordained in the beginning, and embraced within the general plan.

It was the death and resurrection of Christ alone that brought life and immortality to light. On the doctrines of christianity, and on them alone in his opinion a christian must rely for satisfactory evidence of a future state. But independent of the christian Scripture, it resulted from the metaphysical part of his Theology, and he thought it *probable* from the light of nature, that the present life is but an introduction to future states of eternal existence which man is destined to pass through; wherein, virtuous and benevolent dispositions and increased knowledge, will constitute the means of conferring and of enjoying happiness; and that evil, of whatever kind, is permitted to exist among intelligent beings, because necessary as a means of eradicating vicious propensities, and of gradually introducing in their stead those habits of virtue and benevolence, without which

happiness cannot exist either here or hereafter. The future happiness of individuals, will therefore depend on the degree to which they have cultivated those dispositions here; and the evil they will suffer, will necessarily be in proportion to the vicious habits they have acquired during their passage through the present life. But although he was of opinion that these ideas might now be rendered probable independent of the Scriptures, he was firmly persuaded that the light of nature alone would never have suggested them; since in fact, nothing can be more crude, more unsettled, and unsatisfactory than the notions advanced by the wisest of the heathen philosophers who had no light to guide their researches, but what is called the light of natnre. It is christianity alone therefore that has suggested those liberal notions of the being and attributes of God and the benevolent plans of divine providence, which we are grossly mistaken if we conclude the light of nature would have pointed out, though it may serve in some degree to strengthen and confirm.

It has been necessary (as he thought) to the present and future welfare of the human race, and a part of the system ordained by the Almighty from the beginning

ginning that in consequence of the prevalence of ignorance and vice in the world, teachers, preternaturally endowed with wisdom and power by God himself, should occasionally appear for the purpose of promulgating more correct notions of the being and attributes of the Almighty, and of the duties of men toward their maker and toward each other. In particular, to assert the unity of the Divine Being in opposition to the idolatrous worship and polytheistic notions of the pagan world, and to furnish a more sure and compleat sanction to morality.*

That these preternatural interpositions in favour of the human race, were more especially manifested in the Jewish dispensation by means of Moses, and in the christian dispensation by means of Jesus Christ: both of whom were especially commissioned by God for the purpose; and each of these dispensations being respectively calculated for the state and condition

* I was for a long time satisfied with Warburton's Hypothesis, that under the Jewish Theocracy, there was no sanction but that of *temporal* reward and punishment. I do not recollect Jortin's or Sykes' pamphlet in reply. But a small tract written by Dr. Priestley on this subject, one of his latest compositions, convinces me that Warburton's opinion was very probably, if not demonstrably erroneous.

condition of mankind, at the time when these holy men appeared. That profane history, abundantly proves this necessity; and the utter inability of human wisdom in its best state at the time, to arrive at those correct ideas of religion and morality, which it was the end of those dispensations to communicate and sanction.

That the books of the old and new Testament contain the history of those dispensations, and the circumstances attending them, so far as it is necessary for us to be made acquainted with the facts. These books are the histories of the times treated of, by various writers: written from the common motives which have dictated other histories: without any pretence to divine inspiration (except in the case of the prophecies): and are to be tested by the same canons of criticism, by which we determine in other cases, whether a book be really written by the author to whom it is ascribed, and whether the material facts related, are accompanied with sufficient evidence internal and external, to justify our giving credit to them. He believed, that these books like other histories though far less antient, may have suffered in many passages of small moment by frequent transcription

cription and unauthorized interpolation: that the authors, like other observers, might commit mistakes and differ from each other in particulars of minor import; but there is evidence as strong, nay much stronger both internal and external of the accuracy and fidelity of the writers, and of the truth of the material facts related in these books, than in the case of any other history extant, judging by the common rules that an unbeliever would adopt for deciding the question. Considering the subject in this way, he did not adopt as canonical every passage indiscriminately contained in the old and new Testament, but rejected some that were not accompanied with equal evidence of authenticity with the rest. Hence he did not believe in the history of the miraculous conception; or in the interpolated passage of the three witnesses; nor indeed could he embrace the polytheistic doctrine of the Trinity in any shape, when he regarded the absolute Unity of God, as the great doctrine, the characteristic feature of revealed religion, uniformly taught by Moses and the Prophets, as well as by Christ and the Apostles, in opposition to the polytheism of the Pagans.*

* He admitted the "Revelations" into his list of canonical Books; though I do not think he was sufficiently aware of the objections of Abauzit.

From a careful comparison of Scripture with itself he deduced his opinion that Christ like Moses was a mere Man, divinely commissioned to preach and propagate a sublimer religion, and a purer morality than had yet been known: and for the purpose of giving force and effect to the doctrines he taught, power also was given to him to perform in the eyesight, and under the observation of multitudes opposed to his pretensions, actions of kindness and benevolence toward individuals, that no human means could accomplish. All which were abundantly confirmed as proofs of his being sent of God by his foretelling his own death and resurrection in the time and manner as they actually took place.

Thus far he believed the mass of testimony fully bore him out in giving his assent to the divine mission of Jesus Christ, and to the doctrines he taught. A mass of testimony which if false or forged, constituted in his opinion (judging from the common principles of human nature, and the acknowledged rules of evidence) a miracle far more incredible than any that christianity requires to be believed. He saw no reason however for believing that either Moses or Jesus Christ were inspired with supernatural know-

knowledge, or endued with supernatural power, beyond the immediate objects of their mission. When the reason and the occasion ceased, the supernatural gifts would cease too. They were given for a certain purpose: we are not warranted therefore in extending them beyond the occasion that called them forth.

In the same manner he thought of the Apostles, notwithstanding the high authority that accompanied their opinions, from their situation of intimacy with Jesus Christ. Yet when reasoning from themselves and as men, they would sometimes like other men be liable to reason inconclusively. That they did so sometimes must be allowed from the manifest differences of opinion among each other on some of the less important points of christian practice and doctrine.

In examining the language of scripture, he made due allowances as a man of learning and good sense ought to do, for the peculiar idioms, allusions, and figures, which though not likely to mislead or be misunderstood by the persons to whom they were addressed, will not now bear a literal interpretation consistent with the known attributes of the Supreme Being,

Being, and the immutable principles of right and wrong. Hence he rejected the gloomy doctrine of Original Sin, as well as the strange hypothesis of vicarious suffering, or the doctrine of Atonement. No system of religion however apparently founded on miraculous evidence, can require us to believe, that the axioms of moral justice, any more than of the mathematics can be false. It would seem as difficult to demonstrate that one man ought to be punished for the offences of another with whom he has no connexion, as that a part was equal to the whole, or that two quantities each equal to a third were unequal to each other. His accurate search into biblical phraseology, fully satisfied him that these strange tenets of what is called Orthodoxy, were equally unfounded in scripture and common sense.

For the same reason he rejected the horrid criterion of Calvinistic Theology, the doctrine of election and reprobation, and its concomitant, the eternal duration of future punishment. Indeed, he had no notion of punishment as such in the common acceptation of the term. The design of the Creator in his opinion, was the ultimate happiness of all his creatures by the means best fitted to produce it. If

pain

pain and misery be the consequence of Vice, here or hereafter, it is nevertheless an instance of God's fatherly kindness toward the creature who suffers it, because that suffering is absolutely necessary to eradicate the dispositions that obstruct the progress of improvement in knowledge and virtue, and close all the avenues to real happiness. Punishment therefore, is not inflicted with the slightest tincture of revenge, but as a necessary means of qualifying the sinner for a better state of existence, which his present propensities disqualify him from enjoying. It is not the effect of anger in an irritated and avenging tyrant as the abominable tenets of Orthodoxy would induce us to think of the Deity, but it is the *medecina mentis* exhibited for our good by the Physician of Souls. Nor have we any reason to believe that it is greater in degree, or longer in duration, than is necessary to produce the beneficial effect for which it is inflicted. It is that sort of punishment which a kind but wise parent, inflicts on a beloved child.

At one time indeed, he seems to have entertained the opinion that annihilation might possibly be the lot of the wicked: but deeper reflection, and the fair results deducible from his metaphysical as well as his

his theological system, altered his opinion. Trusting therefore to that pre-eminent and delightful attribute of the Deity—that attribute to which wisdom and power are but the handmaids, the Divine BENEVOLENCE, he did not doubt but the ultimate result of the system would be permanent happiness to every intelligent being it embraces, though through different trials, at different periods and perhaps in different degrees. This doctrine he found as conformable to the scriptures as it is to just notions of the goodness of God; and it seems to furnish a glorious exposition of that cheering passage, GOD IS LOVE.

Thus persuaded, that happiness essentially consists in conferring happiness, and that our only notion of any source of happiness to the Deity is the infinite power he possesses of communicating it to his creatures, no wonder he was impressed himself, and endeavoured to impress others with the *Duty of having God in all our thoughts*, and, *The duty of not living to ourselves*: sentiments illustrated with a degree of energy and conviction never exceeded, in two of the finest sermons ever composed, and to which he gave these titles. It was this that animated him to incessant

sant exertion in the pursuit and the communication of knowledge of every kind: for knowledge he considered as equivalent to power, and as the most extensive and effectual means of doing good to others, certainly here, and probably hereafter.

These were the doctrines that he adopted and taught; doctrines, not merely professed, but deeply felt, and daily acted upon. This it was, that taught him habitually to regard every event as ultimately a blessing; that drew the sting of misfortune, and allayed the pang of disease. He felt indeed for a time as others feel in similar circumstances; but his mind soon recovered its tone, and applied with salutary effect to the ideas so long cherished, and so indelibly impressed, that God orders all things for good. This was a consolation to which he never resorted in vain.

These seem to me the most important and prominent features of the system he professed, nor is it worth while to dwell upon the minuter points in which he differed either from the established church or the Dissenters. In Church Government he was an Independent, believing that any number of pious christians meeting together for the purposes of public

lic worship formed a Church, *Cætus credentium;* of which the internal regulation belonged to the persons composing it. He never I believe, either prayed or preached extempore; conceiving every Pastor at liberty in this respect to follow that practice which he found most tending to edification. He was a friend to infant Baptism, and to exhibiting the commemoration of the Lord's supper to young people, for reasons assigned in the pamphlets he published on these subjects. He not only believed the keeping of the Sabbath to be a duty incumbent on christians, and having in its favour the practice of the earliest professors of christianity, but he was a strenuous advocate for family prayer, which he constantly attended to in his own family.

His opinions respecting the soul, of course led him to disbelieve the doctrine of an intermediate state. Believing that as the whole man died, so the whole man would be called again to life at the appointed period of the resurrection of all men, he regarded the intermediate portion of time as a state of utter insensibility: as a deep sleep, from which the man would awaken when called on by the Almighty, with the same associations as he had when alive, without being

ing sensible of the portion of time elapsed. He did not think the light of nature sufficient to furnish satisfactory evidence of any future state of existence, and therefore the christian scriptures which alone gave full conviction, and certainty on this most important point, were to him peculiarly and proportionably dear. To him, a future state was a subject of ardent and joyful hope, though to the majority of those who believe and contemplate the gloomy doctrines of orthodox christianity, it cannot but be a subject of frequent and anxious dread, and of very dubious and uncertain desire.

Such were the chief of Dr. Priestley's tenets on the subject of Religion. Be they true or false, they were to him a source of hope and comfort and consolation: his temper was better, his exertions were greater, and his days were happier for believing them. The whole tenor of his life was a proof of this; and he died resigned and cheerful, in peace with himself and with the world, and in full persuasion that he was about to remove to as phere of higher enjoyment, because it would furnish more extensive means of doing good.

ERRATA.

Page	Line			
23	10	from the top,	For deliverery,	read delivery.
84	14	— —	Actes,	Artes.
		— —	*pecsinit*,	*nec sinit.*
90		bottom line,	No. 6,	No. 4.
160	2	— —	Bur,	But.
172	3	— —	Liancount,	Liancourt.
188	1	— —	determing,	determining.
	8	— —	he,	be
214	1	— —	For wall,	read well.
218	3	from the bottom,	immorality,	immortality.
229	2	— —	1679,	1767.
289	3	— —	fort,	forte.
304	8	from the bottom after,	the Author,	Dr. Coward.
	10	— —	Philabethes	Psycalethes.
	1	from the top	predomninates	predominates.
333	7	from the top of the note for	dise,	dire.
357	12	from the top	For is,	read it.
422	2	from the top	*confervu*	*conferva.*
	3	from the bottom	Hydortids,	Hydatids.
423		from the top	nydra,	hydra.
425	9	from the bottom	for λουλα	λουλα
426	4	from the top	terms,	terrors.
	14	from the bottom	accerate,	accurate.
444	5	from the top	flower,	slower.

Died 6th Feb. 1004.

APPENDIX, N°. 6.

A Review of Dr. Priestley's Theological works, with occasional Extracts, expressive of his sentiments and opinions, and observations on his character and conduct as a Christian Minister.

"I can truly say, that I always considered the office of a Chris-
"tian Minister as the most honourable of any upon earth; and in the
"studies proper to it, I always took the greatest delight."

MEMOIRS, page 57.

WHILE some are usefully and commendably employed in celebrating the various merits and talents of a Priestley; in describing and discriminating with accuracy and skill the capacities and resources of his fertile and comprehensive mind, which, without perplexity or confusion, could embrace a variety of objects, and excel in experimental philosophy, metaphysics, philology, historical disquisitions, and speculations on civil government; be it my task (as far as my abilities can enable me to accomplish it) to trace and mark his progress as a Theologian, and to exhibit a brief, but faithful view,

of those numerous productions that flowed from his pen, on subjects (as he justly thought) the most important and interesting of all others.

Intended and set apart, as he was, in the counsels of his nearest and best friends at an early period, for the Gospel Ministry, his own serious and devotional mind excited him to coincide with their views, and carried him forward with alacrity in the pursuit and attainment of his favourite employment, notwithstanding the embarrassments arising from a weak and delicate constitution, and the still greater difficulties that came in his way from the bigotry and hostility of those whose apprehensions of divine truth were different from his own.

Who can read the simple and artless narrative of his life, without admiration of the candour and ingenuity of the writer, who studiously lays open to the public view the circumstances of his birth and education, in which occurred some facts that the pride of many would have induced them carefully to conceal? Who can behold without indignation a Priestley struggling with poverty and contempt at Needham, and languishing on a salary of less than 30*l.* a year? What a just picture does he draw of the tem-

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per and disposition of too many persons in this present evil world, when he informs us, that when he came to preach at a certain place, the genteeler part of the audience carefully absented themselves; and that some time afterwards, when his character and fame had risen in the world, the very same persons came in crouds to hear him, and extolled a discourse that they had formerly slighted and despised!

The first Theological work he ever composed was his *Institutes of Natural and Revealed Religion*, the first part of which, he informs us in his Memoirs, he wrote at the academy: but as this work did not make its appearance till several years afterwards, I shall postpone my observations upon it till the period of its publication.

The first work he actually published was a treatise, entitled, *The Scripture Doctrine of Remission: which sheweth that the death of Christ is no proper sacrifice nor satisfaction for sin; but that pardon is dispensed solely on account of repentance, or a personal reformation of the sinner*, *London*, 1761. This piece was submitted to the perusal of Dr. Lardner, and Dr. Fleming, and by them published with the above title. The treatise originally took in a larger compass,

pass, and comprehended *Remarks on the reasoning of the apostle Paul*, which he considered as inconclusive in some places. Dr. Lardner could not by any means approve of these remarks, and therefore they were left out in this publication, though afterwards committed to the press, and inserted in the Theological Repository. This treatise on *Remission* was composed at Needham, when the author could not exceed twenty-five years of age. It affords a singular proof of the strength of his genius, the clearness of his conceptions, the perspicuity of his style, and his familiar acquaintance with the language and phraseology of the sacred writers.

At the time of the Reformation, no rational theory at all existed with respect to the doctrine of remission, or the forgiveness of sin. The notions of the Popish schoolmen were implicitly adopted by the reformers, and their absurdity increased rather than diminished. The commentators on Scripture in general followed the same ideas. A degree of good sense indeed appears in Vatablus, as Socinus has justly remarked. The illustrious Faustus Socinus himself, before

before mentioned, was the first, properly speaking, that broke ground on the subject.

Tota ruit Babylon; disjecit Tecta Lutherus,
Calvinus Muros, et Fundamenta Socinus.

In his celebrated treatise *De Jesu Christo Servatore*, he has torn up the strong holds of school divinity and Calvinism, completely overturned the notion of a proper infinite satisfaction to the justice of God, and settled the true idea of Jesus Christ as a saviour, redeemer, mediator, and high priest, on a scriptural as well as a rational foundation. He was induced to compose this most elaborate and valuable performance, in consequence of a series of theological axioms and positions having been sent him by Covetus, a Calvinistic divine, who before had had a conference with him at Basil, in Switzerland, and wished to reclaim him from his supposed errors. Socinus wrote a large, distinct, and particular reply to all Covetus's objections, and forwarded it to him by the way of Geneva, where it fell into the hands of the Calvinistic divines of that place, who thought proper to detain it, apprehending it might have some bad effect upon the mind of Covetus himself, or others into whose hands it might have fallen. Fortunately however for the religious

religious world and himself, Socinus had kept a copy, which many years afterwards was published, with the author's improvements, and divided into four parts, by a friend of his in his own life-time; for though descended from a noble family, and heir to an estate in Tuscany, (by his attachment to the pure gospel of Jesus Christ) he was too poor to be able to publish it himself. The learned and eminent Hugo Grotius, many years after the death of Socinus, attempted to controvert what Socinus had advanced; but an excellent and judicious reply was made to him by Crellius, which had such an effect upon the honest and candid mind of Grotius, that he wrote Crellius a letter, giving him thanks, and acknowledging that he had set him right in some particulars. The subject of atonement was afterwards taken up by the Arminian divines of Holland, who attempted its defence on more moderate and tenable ground than that adopted by the Calvinists. Nearly on the same footing it was held by the semi-rational divines of the church of England, in the reign of Charles the Second and king William, viz. the Tillotsons, Burnets, and Stillingfleets. The last wrote a famous treatise at the time, (if I recollect right), entitled,

titled, *The true Reasons of the Sufferings of Christ*, which was animadverted upon occasionally by Mr. Emlyn, in his sensible and valuable reply to Lessley's dialogues against the Socinians. Mr. Biddle also discussed the subject of atonement, as did in a much later period Dr. Clarke, Mr. Tomkins, Hopton Haynes, Esq. Dr. Sykes, and Dr. Taylor, in his *Scripture Doctrine*, with many others. The subject also was well handled in an anonymous treatise, stiled, *The Scandal and Folly of the Cross removed; or, the wisdom of God's method of the Gospel, in the death of Jesus Christ, manifested and justified, against the Deists, London*, 1699.

It does not however appear at all probable to me, that young Mr. Priestley was acquainted at the time with the greatest part of the numerous writers before mentioned. I find no reference to any, except Dr. Clarke and Mr. Tomkins; Doctors Taylor and Sykes he might have seen, though this is not certain. Indeed, as he asserts in his Memoirs, and as he once assured me himself, he had recourse to the Scriptures at large, and carefully noted every passage in the old and new Testament, that he thought had any relation to the subject of his inquiry, and formed his judgment

ment upon the whole collectively. The result was, that in his opinion there was *no atonement*. He has therefore, in some measure, all the merit of an original writer. In proof of the judgment he had formed, he urges many powerful arguments, supported by Scripture testimonies and striking considerations. I could with pleasure enter into a particular detail of his reasonings, if it were not that having afterwards inserted every sentence of this treatise in the Theological Repository, under the signature of *Clemens*, and also a considerable part in the *History of the Corruptions of Christianity*, under the head of *Atonement*, with many and valuable improvements, this detail will come in with more propriety when these works are spoken of. I shall content myself at present with extracting the Introduction, which contains some valuable observations, and a brief view of the schemes of different parties of christians respecting the doctrine of atonement, and affords an early specimen of the easy elegance of the author's stile; more especially as the Introduction, as far as I can trace, has never been republished, and is now very scarce.

"By reason of the poverty of all languages, the use of figurative expressions, or the affixing of the same

same term to things that are only analogous to one another, cannot be avoided; especially, in treating of moral or religious subjects, in which our ideas themselves must necessarily, be much compounded, and borrowed from sensible things.

"What hath still more contributed to fill all languages with these artificial forms of speech, is, that when necessity had first introduced such an use of words, the ingenuity of men, as in other similar cases, presently worked it up into a beauty. Some allusions were observed to be so peculiarly happy and striking, as to incite men of taste and invention to seek for more: hence a language extremely scanty in its elements, comes to abound in words; most of which, however, are artificial or compounded, and may, with care, be reduced to their simple and component parts.

"But such is the nature both of our ideas and words, and such the power of association, that what was at first evidently compounded or figurative, by frequent use ceases to be conceived to be so: compound ideas and expressions in time pass for simple ones, till, after a rigorous scrutiny, their deviation be seen, and they appear to be factitious. In like man-

ner, it is very possible to call one thing by the name of another by way of allusion only, till at last the allusion be forgotten, and the nature of the thing itself be mistaken.

"Though therefore, the derivation of words from so fruitful a source, does very much enrich a language, though the use of figures in speech, or writing, very much enliven a discourse, give a colour and strength to the expression, and, if the allusions be made with judgment, may, in many cases, facilitate the discovery of truth; yet the too free an use of them may embarrass the sense, and render the speaker or writer's meaning very dubious or obscure, especially to those who are not used to his manners.

"This is universally complained of where the writings of the *Asiatics* in general fall into the hands of *Europeans;* they go so far beyond us in the boldness and freedom of their figures. And this is one cloud that hangs over the true meaning of the writers of the books of scripture; which, at this distance of time and difference of manners, it is exceeding difficult for us to see through, and hath led their readers into very widely different apprehensions of their sense, some resting in the most obvious and gross meaning

of

of the words they use; while others, suspecting this to be falling short of their true meaning, wander many different ways in quest of it.

"Perhaps, concerning no one thing of which the sacred writers do treat, have the notions of moderns been more widely different, than concerning the account they give us of the death of Christ; the view they supposed he suffered with, and the end, which they assert, was in part answered by it. The most distinguished opinions that are maintained among christians at this day, seem to be the following.

"*First*, some maintain that Christ, in his agony and death, endured pains equal in degree (the dignity of his person considered) to those that sinful men ought to have suffered on account of their sins, by a kind of substitution of persons, and transferring of guilt; agreeable to which, they hold, that this was the proper notion of a sacrifice for sin under the law; all which, they say, were *types* or *emblems* of the great sacrifice of Christ. But of those who agree with them that the pardon of sin is dispensed in consideration of the sufferings of Christ, all do not insist that the Divine Being could not, consistently with the honour of his perfections, have accepted of less than

than a full equivalent for satisfaction; some supposing the Divine Being to have been at liberty to accept of any finite satisfaction that he pleased.

"*Secondly*, others again, agree with the former, that the death of Christ is a proper sacrifice for sin, like the Jewish sacrifices, but then they suppose, that the virtue of a sacrifice consisted, not in the shedding of the blood, or the death of the victim, but in the disposition of the offerer, of which the sacrificing of the beast was in some manner emblematical; and that in like manner the virtue of the death of Christ consisted, not in the pain that he endured, but in his real virtue and worth, manifested to God and the world by his obedience unto death. Though, therefore, they deny the necessity of any vicarious sufferings, they assert the necessity of the interposition and mediation of some person of distinguished virtue and worth, on the part of the offenders, before the Divine Being could in wisdom, dispense pardon to them.

Lastly, others, in direct opposition to both the before mentioned opinions, maintain, that the death of Christ had no manner of relation to a proper sacrifice for sin; and that the apostle never meant more than a figurative allusion to those Jewish rites: that

Christ

Christ died in consequence of his undertaking to reform a vicious world, for the proof of his divine mission and doctrine, and other such rational, simple, and consistent ends. They maintain that there was no necessity for satisfaction of any kind, or the interposition of any being whatever, in order to God's remitting the sins of men."

An interval of six years took place after the publication of the before mentioned treatise on Remission, in 1761, before Dr. Priestley appeared again from the press in the character of a Theologian. His time, as he says, had been occupied with the business of teaching at Nantwich and Warrington. But in 1767, when he was again settled as a minister at Leeds, he resumed his theological studies with fresh ardour. The effect of this application appeared in various publications, which followed one another almost in constant succession; and while they rendered his name celebrated in the religious world, drew on him a storm of obloquy and reproach. About the same time, in 1767, came abroad his *Catechisms* for children and young persons, *Scripture Catechism*, *Forms of Family Prayer*, and Treatise on the *Lord's Supper*. The three first of these are plain useful

pieces,

pieces, exceedingly well calculated to promote the instruction and improvement of youth in principles of piety and virtue, and to excite and enable masters of families to the performance of the too much neglected, but highly necessary duty of family prayer. The Catechisms are remarkable for their simplicity and freedom from all points of controversy, and on this account may be safely used by christians of very opposite sentiments. A knowledge of the most important facts in holy writ may be acquired in early youth by the careful use of the Scripture Catechism. The last mentioned piece, entitled, *A Free Address to Protestant Dissenters, on the subject of the Lord's supper*, will deserve a more particular consideration.

The superstition of the Papists, and the absurdities attending the doctrine of transubstantiation, are sufficiently known to all Protestants, and justly and universally condemned. But have Protestants themselves kept clear of all false ideas and improprieties in their conceptions and administration of this institution? Luther held a half-way or compromising doctrine on this subject, called *consubstantiation*. Calvin avoided this error, but inculcated notwithstanding, notions that will not bear the test of reason, scripture,

or

or experience. The English reformers, Cranmer and others, adopted similar superstitious and unwarrantable ideas. Zuinglius, and a few others, appear, from the account given of their tenets, to have come pretty near the truth; and Faustus Socinus, with that penetration and sagacity which generally accompanied him in theological disquisitions, has in his tract *De usu et fine cænæ domini*, in a great measure explained this institution, according to the simplicity in which it is found in scripture. The other great men who succeeded him in the Unitarian churches of Poland and Transylvania, have followed the same method of interpretation with little variation. But these bright luminaries for a long time shone in vain. They were unable to dispel the general darkness in which the christian world was enveloped. Of the many tracts published by churchmen and dissenters, before the year 1730, none keep clear of extremes on this point. The best of them that I have seen is that published by the pious and worthy Mr. Henry Grove. It was reserved for bishop Hoadley to throw full light upon this subject, and exhibit it in all its scriptural simplicity; though he did not escape censure for so doing,

but was severely animadverted upon by the Waterlands and William Laws of those days.

Dr. Priestley following the plan of bishop Hoadley; and exerting his own good sense at the same time, composed an excellent and edifying treatise on the Lord's supper, to which a very sensible preface is prefixed, exhorting and animating Protestant dissenters to a free and impartial examination of this and other religious topics, to consider the importance and advantages of their situation, and make a suitable improvement of them. In treating the subject, he first recites the accounts the three first evangelists have delivered of the institution, and also that of the apostle Paul. He insists more particularly upon this last, and shews that the kind of unworthy communicating which Paul censures, and warns against, does not relate to any failure in those preparations which so many lay an undue stress upon, but in eating and drinking to excess on the occasion; and not distinguishing between the Lord's supper, and an ordinary meal or common feast. He then adds, "All the censure that St. Paul passes upon unworthy communicants, I would observe by the way, relates wholly to such a manner of receiving this ordinance,

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as is no where practised at this day in any christian country. His censures, therefore, are evidently such as no christians at this day can justly apply to themselves." He defines the Lord's supper to be, "a solemn, but chearful rite, in remembrance of Christ, and of what he has done and suffered for the benefit of mankind. Like other customs, which stand as records of past events, it preserves the memory of the most important of all transactions to the end of the world, even till Christ's second coming." He proceeds, "If I be asked, what is the *advantage* of celebrating this rite; I answer, it is of the same nature as that which results from repeating any custom, in commemoration of any other important event; of the same nature with the celebration of the passover, for instance, among the Jews. It tends to perpetuate the memory of the transaction recorded by it, and to cherish a grateful and joyful sense of it. In this case, the custom tends to perpetuate the memory of the death of Christ, and to cherish our veneration and love for him. It inflames our gratitude to so great a benefactor, and consequently our zeal to fulfil all his commands.

"The celebration of the Lord's supper being, more especially, a commemoration of his *death*, it serves to remind us that we are the disciples of a crucified master, and it is therefore a means of fortifying our minds, and preparing them for every degree of hardship and persecution to which we may be exposed in the profession of christianity. It reminds us that we are *not of this world*, even as our Lord was not of it, and *(servants not being greater than their Lord)* that we have no right to expect better treatment from the world, than he met with from it. By this means it serves to keep up in our minds a constant view to the great object and end of our christian profession, viz. *the expectation of a future life*, and to cherish the mortification to the world, and that heavenly mindedness, which are eminently useful in fitting us for it.

"On these occasions then, more especially, let us reflect, that if, in the hour of temptation, we deny Christ, *he will also deny us;* that if in circumstances of reproach, we be ashamed either of the profession of his gospel, or of that strictness and propriety of conduct to which it obliges us, *he also will be ashamed of us* in that great day when he shall come *in his own glory*,

glory, in that of his father, and of his holy angels; but that if, we steadily and uniformly *confess him before men*, by an unblameable life and conversation, and by proper fortitude in bearing the trials to which we may be exposed for the sake of his truth, and of a good conscience, *he also will confess us before his heavenly father and the holy angels;* so that *if we suffer with him, we shall also reign with him, and be glorified together.*

"Lastly, the celebration of the Lord's supper being the joint action of several persons, it strengthens our affection to the common cause, to one another, and to all who are engaged in it. If you expect more than this, your expectations are unreasonable, enthusiastical, and sure to be disappointed." The rest of this section, and the next, more particularly treats of the qualifications of communicants, and cautions against excessive rigour in judging of the fitness of persons for partaking of this ordinance. Section third contains observations on the Lord's supper, being called a sign, or seal of the covenant of grace. The fourth section exhibits a brief history of the corruptions of the christian doctrine and practice with respect to it among the early Christians, the Reformers, the

the English and Scotch establishments, and the Protestant dissenters. The fifth and last section contains an earnest and animated exhortation to all christians to the celebration of this institution, in a devout, serious, and rational manner, as a grateful and affectionate memorial of their great and generous benefactor Jesus Christ.

No man can labour with energy and effect in the cause of reformation, but he will more or less excite the resentment of those who either cannot, or will not enter into his views. Dr. Priestley's well intended attempt to enlighten the mind of dissenters with respect to the Lord's supper, drew upon him a rude and illiberal attack from Mr. Venn, a clergyman of the church of England, to which he replied with such calmness, moderation, and delicate irony, that his reply may be held up as a model of christian temper and fortitude, in return for harsh censure and ill usage. It bears the title of *Considerations on differences of opinion among Christians, with a letter to the Rev. Mr. Venn, in answer to his free and full examination of the Address to Protestant Dissenters, on the subject of the Lord's supper*, London, 1769.

I think it needless to enlarge upon the letter in which

which Mr. Venn is properly confuted; but these considerations are so replete with valuable matter, that they deserve to be attended to. They were again reprinted at Birmingham in 1790, and subjoined to *Familiar Letters addressed to the Inhabitants of Birmingham*, &c." These considerations are divided into five sections. The first treats of latent insincerity and direct prevarication, and points out the sources of deception by which controversial writers and leaders of sects and parties impose upon themselves, and come under the influence of motives that they are scarcely conscious of. The second inquires into the source of bigotry and persecution, which arises chiefly from a blind and violent attachment to particular opinions, and connecting the only possibility of salvation with the belief of them. The third describes the practical tendency of different systems of doctrine, in which it is shewn that the great objects of hope and fear, which christianity presents to mankind, viz. the joys and torments of a *future life*, must be nearly the same in all the forms of the christian religion, and in proportion to the degree in which we give our attention to them, and thereby strengthen our faith in them, they must

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influence us all alike. All the difference, therefore, with respect to the practical influence of any particular opinions, can only be occasioned by the different views with which they present us, of those *persons* and *things* that are objects of our duty. A brief illustration of this thought is afterwards given in the idea that is exhibited of the Divine Being, according to what are generally called the *rational* and the *orthodox* systems. The comparison, which as far as I am able to judge, is a fair one, turns out by no means in favour of the orthodox system, the tendency of which appears to be to something else than virtue: though as the author candidly remarks, better principles (which he states) *really*, though secretly influence the conduct of those who are truly pious and virtuous among Calvinists; and by no means the principles which they profess.

The fourth section assigns the causes of difference of opinion, and recommends the reading of the scriptures. What our author says here appears to me of such prime importance, and so much for the interest of all christian sects to attend to, that I think myself bound to quote the whole of it.

"I cannot

"I cannot help wishing that persons of all sects and parties would study their bibles *more*, and *books of controversy* less. But all persons have their *favourite authors*, to which they too much confine themselves, even to the neglect of those *authorities*, from their agreement with which, all their merit is acknowledged to be derived. Were it not for this circumstance, it would be absolutely impossible that the individuals of mankind, whose intellects are so much alike, should differ so widely in their religious sentiments as they now do; at least that they should lay so great a stress on the points in which they differ.

"Since the understandings of men are similar to one another, (at least so much so, that no person can seriously maintain, that *two* and *two* make *five*) did they actually read only *the same books*, and had they no previous knowledge to mislead them, they could not but draw the same general conclusions from the same expressions. But one man having formed an hypothesis from reading the scriptures, another, who follows him, studies that hypothesis, and refines upon it, and another again refines upon him; till, in time, the scriptures themselves are little read by any

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of them, and are never looked into but with minds prepossessed with the notions of others concerning them. At the same time, several other *original readers* and thinkers, having formed as many other hypotheses, each of them a little different from all the rest, and all of them being improved upon by a succession of partisans, each of whom contributed to widen the difference; at last no religions whatever, the most distinct originally, are more different from one another, than the various forms of *one* and the same religion.

"To remedy this inconvenience, we must go back to first principles. We must begin again, each of us carefully studying the scriptures for ourselves, without the help of commentators, comparing one part with another. And when our minds shall, by this means, have been exposed for a sufficient time, to the same influences, we shall come to think and feel in the same manner. At least, all christians being sensible that they have, in many, and in the chief respects, *one Lord, one faith, one baptism*, they will keep *the unity of the spirit, in the bond of peace.*

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"In reading books of controversy, the particular texts from which favourite opinions are chiefly inferred, are kept continually in view, while others are kept out of sight; so that the person who confines himself to the perusal of them, necessarily forms a very strong notion of the *general tenor* of the scriptures, and lays a disproportionate stress on particular opinions. He never looks into the scriptures, but it is with a state of mind that leads him to expect to find his opinions either clearly expressed, or plainly referred to in every chapter. Now, it is well known, that all strong expectations tend to satisfy themselves. Men easily persuade themselves that they actually see, what they have absolutely depended upon seeing.

"Were it possible for a number of persons to make but an essay towards complying with this advice, by confining themselves for the compass of a single year, to the daily reading of the scriptures only, without any other religious books whatever; I am persuaded that, notwithstanding their previous differences, they would think much better of one another than they had done before. They would all have, more nearly, the same general ideas of the con-

tents of scripture, and of the chief articles of christian faith and duty. By reading the whole themselves, they could hardly avoid receiving the deepest impressions of the certainty and importance of the great and *leading principles*, those which they would find the most frequently and earnestly inculcated; and their particular opinions having come less frequently in view, would be less obstinately retained. It was in this manner, I can truly say, that I formed the most distinguishing of my opinions in religion.

"I do not say that this practice would have the same effect with all persons. I have no hopes of its succeeding with those who are advanced in life. I would not even recommend it to them; since the consequence of unhinging their minds, though by a conversion from error to truth, might possibly do them more harm than good. Nor have I much hope of those who are hackneyed in controversy, and to whom the methods of attack and defence, peculiar to any system, are become familiar. But I would earnestly recommend this method of studying the scriptures to young persons, before their common sense and natural feelings have been perverted; and while

while they are capable of understanding the obvious meaning of a plain expression.

"In this case I cannot help thinking, that notwithstanding the seeming force of the texts that are continually in the mouths of those who call themselves *orthodox;* and notwithstanding our present translation of the bible, which (being made by men who were fully persuaded of the truth of that system) is, in many places, much too favourable to it; yet that both the general *tenor of the whole*, (which, with a person who reads the scriptures much, cannot but have far greater weight than any particular texts whatever) and also that number of *emphatical single passages*, would effectually over-rule any tendency to that which is commonly called orthodoxy.

"To mention a single instance. Would not a constant attention to the general strain in which Moses, all the antient prophets, John the Baptist, our Saviour, and the apostles, wear out, in time, every trace of the doctrine of unconditional election and reprobation? The language in which the Divine Being is uniformly represented in speaking is, *As I live, saith the Lord, I would not the death of a sinner, but had rather that he would repent and live. Turn ye, turn*

ye,

ye, why will ye die, oh house of Israel. What a solemn and cruel mocking of mankind would this be, if the Divine Being, at the same time that he made this declaration, was purposed that many, if not the greatest part of them, should not repent, but die without mercy?"

The fifth and last section contains *general advice*, which deserves to be carefully read and reduced to practice.

Mr. Venn was not the only opponent Dr. Priestley had to encounter in consequence of his treatise on the Lord's supper. Nine letters were published by an anonymous author, under the title of *The Protestant Dissenter's Answer to the Free Address on the subject of the Lord's supper.* In a letter addressed to the author, Dr. Priestley replies to him, in which he makes the following candid acknowledgment. "I thank you because you have led me, as you will see, to correct some mistakes, and to amend some expressions which had inadvertently escaped me, and more especially to make such *additions* to what I had written as appear to me to be favourable to my original and professed design in writing." Notwithstanding this concession, he considers himself as in the

the right with respect to the general plan and execution of the work, and defends what he had advanced on the subject. Nor does it appear that the author of these nine letters differed materially from him in his notion of the Lord's supper. In the view of the author entering into a farther discussion of the subject, he states seven queries, and proposes them to his consideration.

That I may bring together under one point of view all that Dr. Priestley has written on the subject of the Lord's supper, I shall here give an account of a tract, though a little out of the order of time, entitled, *An Address to Protestant Dissenters, on the subject of giving the Lord's supper to children*, London, 1773.

Our author informs his readers, that having been more conversant with the antient christian writers called *Fathers*, and especially having met with Mr. *Peirce's Essay* on the subject, he is now, upon mature consideration, fully satisfied, that *infant communion*, as well as *infant baptism*, was the most antient custom in the christian church; and therefore that the practice is of apostolical, and consequently of divine authority. His chief arguments

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in favour of infant communion are, that infants were capable of full communion under the Jewish dispensation, having been not only circumcised, but partaking also of the passover; and that infant communion, as well as infant baptism, was the practice of the primitive christians. He proves this last assertion from the testimonies of Cyprian and Austin, and manages and illustrates his arguments with great dexterity. He shews that infant communion continued for a long time in the church of Rome, and was not forbidden by an express and formal determination of any council, till the fifteenth century, at the council of Basil, some time after they had, in the council of Constance, in 1415, decreed, that the laity should receive the communion in one kind only. But that infant communion is to this day the practice of the Greek churches, of the Russians, the Armenians, the Maronites, the Copts, the Assyrians, and probably all other oriental churches; and it was also the practice of the Bohemians, who kept themselves free from Papal authority till very near the reformation. In conclusion, he points out the advantages which might arise from returning to the use of this antient custom. But previous to this he observes,

serves, that since the administration of the Lord's supper is an act of public worship, the ends of the institution will be answered, if children be brought to communion as soon as it is found convenient for them to attend other parts of public worship. First, were children admitted to the Lord's supper, they would become more the objects of attention, both to their parents and the governors of churches, and greater care would be taken of their christian education. They themselves also would be more apt to inquire concerning the reasons of what themselves constantly did, and thus furnish an easier handle for their religious instruction.

Secondly, the principal advantages that might be expected from it is, that, by this means, young persons would probably be more firmly established in the belief of christianity. Having been from their infancy, constantly accustomed to bear their part in all the rites of it, they would be more firmly attached to it, and less easily desert it, &c.

Thirdly, the revival of the practice of infant communion might be a means of reviving an useful *church discipline*, which is altogether lost among us, and

and of the want of which many wise and good men complain, &c.

Let not any man pass a premature censure upon Dr. Priestley's judgment in this particular, from the abridged view of his arguments here exhibited, without having recourse to the pamphlet itself, which contains much farther information on the subject.

We are now to contemplate Dr. Priestley under a new character, as the intrepid champion of the Protestant dissenters, standing forth in vindication of their just rights and privileges, against the exorbitant claims of high churchmen and the imperious usurpation of interested priests, laying before them the importance and advantages of their situation, proposing to their imitation the example of their heroic ancestors, and animating them to a conduct and behaviour, in all respects worthy of real christians, and enlightened and conscientious dissenters.

A long controversial war had existed, and been carried on with much clamour and obloquy between the advocates of diocesan episcopacy and the Puritans, Presbyterians, and other classes of the dissenters in England, almost from the reformation down to the accession of the present reigning family. Innumerable

numerable books and pamphlets had been written concerning the authority of the church, the power of the clergy, the apostolical succession, the *jure divino* right of episcopacy, &c. The Puritans and Dissenters were not wanting on their part in producing a number of replies, in some of which the *jure divino* right of presbytery, or other forms of church government, were maintained in opposition to the Episcopalians.

Soon after the accession before mentioned, the controversy began to take a different turn. The influence of philosophy, the love of religious liberty, the spread of the maxims of toleration, and above all the diffusion of rational theology, brought ecclesiastical jargon into contempt, and subdued the ferocity of fiery polemics. The priests considered as a body were either confuted or laughed out of their absurdities. Add to this, that the first princes of the house of Brunswick, and their state counsellors, were themselves low churchmen, and from political and other motives disposed to patronize moderate men and moderate measures, and favourably inclined to dissenters.

In this state of things some of the more intelligent of the clergy, sharing no doubt in the general illumination, and finding that the old priestly dogmas would not now serve their turn, or go down smoothly with the improved part of the nation, saw the necessity of framing a new hypothesis on which to raise the precious fabric of clerical domination, and give a new currency to the *wares* of Babylon. The acute and subtile genius of a *Warburton*, was deemed adequate to the task. His *alliance between church and state*, came forth like a stalking horse to attract the admiration of the croud, to dazzle weak minds, and make *the worse appear the better reason*. It was to be expected that men of inferior abilities would copy from so great a master, and that various modifications of the general principles of this work would be attempted. Dr. Balguy, in a sermon he published on the subject of church authority, asserted, that it greatly concerned the public peace and safety, "that all church authority should be under the "controul of the civil governor; that religious as- "semblies as well as others, should be subject to his "inspection, and bound by such rules as he should see "fit to impose." And that "the most effectual "method

"method of obtaining this security, was to invest the "supreme power, civil and ecclesiastical, in the same "person." He maintains in the same discourse, the obligation of the civil magistrate to establish the religion of the majority of his subjects, even though he might not be convinced that it was the best form of religion. Against these positions, and others connected with them or flowing from them in the judgment of this writer, Dr. Priestley thought it became him to publish a reply, bearing the title of *Considerations on Church Authority, occasioned by Dr. Balguy's Sermon on that subject; preached at Lambeth chapel, and published by order of the Archbishop*, London, 1769.

The work is divided into six sections. In the four first he embraces a larger scope than that suggested by Dr. Balguy's discourse, and argues against the different forms of priestcraft and church authority in general, confuting with masterly skill the sophistry and subterfuges that have been used in their defence. In the two last sections he confines himself chiefly to Dr. Balguy's positions and manner of reasoning, which he refutes in a solid manner. In this work there are *verba ardentia*, glowing forms of expression,

expression, and ingenious arguments, which would well deserve to be held up to public view, and would adorn these pages very much; but my limited plan will only permit me to extract a few of them, and these will in some degree suffer by being separated from what goes before and what follows after.

Page 4. "All the civil societies we enter into in this life will be dissolved by death. When this life is over, I shall not be able to claim any of the privileges of an Englishman; I shall not be bound by any of the laws of England, nor shall I owe any allegiance to its sovereign. When, therefore, my situation in a future life shall have no connection with my privileges or obligations as an Englishman, why should those persons who make laws for Englishmen interfere with my conduct, with respect to a state to which their power does not extend?"

P. 5. "As a being capable of immortal life, (which is a thing of infinitely more consequence to me than all the political considerations of this world) I must endeavour to render myself acceptable to God, by such dispositions and such conduct as he has required, in order to fit me for future happiness. For this purpose, it is evidently requisite, that I dili-

gently

gently use my reason, in order to make myself acquainted with the will of God; and also that I have liberty to do whatever I believe he requires, provided I do not molest my fellow creatures by such assumed liberty. But all human establishments, as such, obstruct freedom of inquiry in matters of religion, by laying an *undue bias* upon the mind, if they be not such, as by their express constitution prevent all inquiry, and preclude every possible effect of it.

"Christianity, by being a more spiritual and moral constitution than any other form of religion that ever appeared in the world, requires men to think and act for themselves more accurately than any other. But human establishments, by calling off men's attention from the commandments of God to those of men, tend to defeat the great ends of religion. They are, therefore, incompatible with the genius of christianity."

P. 10. "By *the gospel*, every christian will, and must understand, the gospel in its purity; that is, what he apprehends to be the purity of the gospel, in opposition not only to heathenism, and religions *fundamentally false*, but to erroneous christianity, or to religions that are *in part true*. Whatever be the religious

ligious opinions, therefore, that I seriously think are agreeable to the word of God, and of importance to the happiness of mankind, I look upon myself as obliged to take every prudent method of propagating them, both by the use of speech and writing; and the man who refrains from doing this, when he is convinced that he should do good upon the whole by attempting it, whatever risque he might run in consequence of opposing anti-christian establishments, is a traitor to his proper lord and master, and shews that he fears more *them who can only kill the body*, (whether by the heathen methods of beheading, crucifying, throwing to the wild beasts, &c. or the christian methods of burning alive, and roasting before a slow fire) than him, *who can cast both soul and body into hell.*

"It is said by some, who think themselves obliged to vindicate the conduct of Christ and his apostles, that, though no general plea to oppose an established religion can be admitted, in excuse of a pretended reformer, yet that a *special* plea, such as a belief of a divine commission, and the like, will excuse him. But I can see no material difference in these cases. The voice of *conscience* is, in all cases, as the *voice of God*

God to every man. It is, therefore, my duty to enlighten the minds of my friends, my countrymen, and mankind in general, as far as I have ability and opportunity; and to exert myself with more or less zeal in proportion as I myself shall judge the importance of the occasion requires, let my honest endeavours be considered as ever so factious and seditious, by those who are aggrieved by them. It is no new cry among the enemies of reformation, *the men who have turned the world upside down, are come hither also.* There are some who confine the obligation to propagate christianity to the *clergy*, and even to those of them who have *a regular commission* for that purpose, according to the form of established churches; and say that *laymen* cannot be under any obligation to trouble themselves about it, in whatever part of the world they be cast; and what they say concerning the propagation of christianity, they would extend to the reformation of it. But I can see no foundation for this distinction, either in reason or in the scriptures. The propagation, or reformation of christianity, is comprehended in the general idea of *promoting useful knowledge* of any kind, and this is certainly

certainly the duty of every man in proportion to his ability and opportunity.

"Our Saviour gives no hint of any difference between *clergy* and *laity* among his disciples. The twelve apostles were only distinguished by him as professed witnesses of his life, death, and resurrection. After the descent of the Holy Ghost, supernatural gifts were equally communicated to all christian converts. The distinction of *elders* was only such as years and experience entitled men to, and only respected the internal government of particular churches. As to the propagation of christianity abroad, or the reformation of corruptions in it at home, there is nothing in the scriptures that can lead us to imagine it to be the duty of one man more than another. Every man who understands the christian religion, I consider as having the same commission to teach it that I myself have; and I think my own commission as good as that of any bishop in England, or in Rome."

P. 18. "It is allowed by many, that christian churches as such, and its offices as such, have no right to inflict civil punishments; but they say the civil magistrate may embrace the christian religion, and

and enforce its precepts by civil penalties. But have civil magistrates, when they become christians, a power of altering or new modeling the christian religion, any more than other members of the christian church? If not, its laws and sanctions remain just as they did before, such as Jesus Christ and his apostles left them; and the things that may have been substituted in their place cannot be called christianity, but are something else.

"If the civil magistrate chuse to become a christian, by all means let the doors of the christian church be open to him, as they ought to be to all, without distinction or respect of persons; but when he is in, let him be considered as no more than any other private christian. Give him a vote in all cases in which the whole assembly is concerned, but let him, like others, be subject to church censures, and even to be excommunicated or excluded for notorious ill behaviour.

"It is, certainly, contrary to all ideas of commo sense, to suppose that civil magistrates embracing christianity have, therefore, a power of making laws for the christian church, and enforcing the observance of them by sanctions altogether unsuitable to

its nature. The idea cannot be admitted without supposing a total change in the very first principles and essentials of christianity. If civil penalties be introduced into the christian church, it is, in every sense, and to every purpose, making it *a kingdom of this world.* Its governors then assume a power over men's persons and property, a power unknown in the institutes of our religion. If, moreover, the civil magistrate take upon him to prescribe creeds and confessions of faith, as is the case in England, what is it but to usurp a *dominion over the faith of christians?* a power which the apostles themselves expressly disclaimed."

P. 33. "Had there been such a connection between ecclesiastical and civil matters, as the advocates for church power contend for; had it been the proper office of the civil magistrate to superintend the affairs of religion, and had it been unlawful, as some assert, for private persons to attempt any alteration in it, except by application to the civil governor, is it not unaccountable, that our Lord, and his apostles, did not make their first proposals to the supreme magistrates among the Jews or Romans? They certainly had no idea of the peculiar obligation of magis-

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trates to attend to this business, and chuse a religion for the people, since we never hear of their making application to them on any such account. It was their constant custom to preach the gospel wherever they came, in all companies, and to all persons promiscuously; and almost all the intercourse they had with magistrates, seems to have been on occasion of their being brought before them as criminals.

"Our Lord sent out, both his twelve apostles, and also the seventy disciples, among all the cities of Israel, but we do not read of his sending any deputation to the rulers of the Jews. John the Baptist seems to have confined his preaching to the wilderness of Judea, and the territory in the neighbourhood of the river Jordan; where he gave his exhortation to all that came to hear him without distinction of persons. St. Paul, indeed, made an appeal to Cæsar, but it was in order to obtain his liberty in an unjust prosecution. We are not informed that he, or any of the apostles, ever took any measures to lay the evidences of the christian religion before the Roman emperor, or the Roman senate, in order to convince them of the truth and excellency of it, and induce them to abolish heathenism, in favour of it, throughout

throughout the Roman empire; which many persons would now think to have been the readiest, the most proper, and the best method of christianizing the world. On the contrary, their whole conduct shews, that they considered religion as the proper and immediate concern of every single person, and that there was no occasion whatever to consult, or advise with any earthly superior in a case of this nature."

P. 35. "It cannot be inferred from any thing that our Saviour has delivered, that any one christian has a right authoritatively to dictate or prescribe to another, but I think the very contrary, if it be in the power of words to convey such a meaning. When his disciples were disputing about power and precedency, he said to them, Matth. xxiii. 8. *Be not ye called Rabbi, for one is your master, even Christ, and all ye are brethren; and call no man your father upon earth, for one is your father, which is in heaven. Neither be ye called master, for one is your master, even Christ; but he that is greatest among you shall be your servant*, &c. Mark x. 42. *Ye know that they who are accounted to rule over the Gentiles, exercise lordship over them; and their great ones exercise authority upon them; but so shall it not be among you; but*

but whosoever will be great among you, shall be your minister, and whosoever of you will be chiefest, shall be servant of all."

P. 43. "All the rational plea for ecclesiastical establishments, is founded on the necessity of them, in order to enforce obedience to civil laws; but though religious considerations be allowed to be an excellent aid to civil sanctions, it will not, therefore, follow, as some would gladly have it understood, that, therefore, the business of civil government could not have been carried on *at all* without them. I do not know how it is, that this position seems, in general, to have passed without dispute or examination; but, for my own part, I see no reason to think that civil society could not have subsisted, and even have subsisted very well, without the aid of any foreign sanctions. I am even satisfied that, in many countries, the junction of civil and ecclesiastical powers have done much mischief, and that it would have been a great blessing to the bulk of the people, if their magistrates had never interfered in matters of religion at all, but had left them to provide for themselves in that respect, as they do with regard to medicine."

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The state of things in this country since the American revolution, has justified the observations of our author here, and in other places. Civil government is found to subsist very well, and to answer all the purposes of society in Virginia, Pennsylvania, and in general throughout the United States, without the assistance of an incorporated band of clergymen and the sanction of a religious establishment.

P. 49. "Though it may be true, that inconvenience would arise from the immediate suppression of religious establishments, it doth not follow that they were either necessary or expedient; that the nation would have been in a worse state if they had never existed; and that no measures ought to be taken to relax or dissolve them. Were the religion of Mahomet abolished, every where at once, no doubt much confusion would be occasioned. Yet what christian would, for that reason, wish for the perpetuity of that superstition? The same may be said of Popery, and many other kinds of corrupt religion. Customs, of whatever kind, that have prevailed so long as to have influenced the genius and manners of a whole nation, cannot be changed without

out trouble. Such a shock to men's prejudices would necessarily give them pain, and unhinge them for a time. It is the same with vicious habits of the body, which terminate in diseases and death; but must they be indulged, and the fatal consequences calmly expected, because the patient would find it painful and difficult to alter his manner of living? Ecclesiastical establishments, therefore, may be a real evil, and a disease in civil society, and a dangerous one too, notwithstanding the arguments for the support of them, derived from the confusion and inconvenience attending their dissolution; so far is this consideration from proving them to be things excellent or useful in themselves.

"Even the mischiefs that might be apprehended from attempts to amend or dissolve establishments, are much aggravated by writers. Much less opposition, I am persuaded, would arise from the source of real *bigotry*, than from the quarter of *interest*, and the bigotry that was set in motion by persons who were not themselves bigots."

P. 52. "One circumstance in favour of my argument is very evident. If the support of christianity had not been piously undertaken by Constantine,

tine, and the succeeding Roman emperors, the Popish hierarchy, that great *mystery of iniquity* and *abomination*, could never have existed. And I think all the advocates for church power, will not be able to mention any evil attending the want of ecclesiastical establishments, equal to this which flowed from one.

"All other ecclesiastical establishments among christians, partake more or less of the nature of this, the first and greatest of them being nothing more than corrections and emendations of it. Many of the abuses in it have been rectified, but many of them, also, are retained in them all. That there are some things good and useful in them all is true, but it is no difficult matter to point out many things that are good (that is, which have been attended with consequences beneficial to mankind) in the grossest abuses of popery. Those who study history cannot fail to be acquainted with them, and there is no occasion to point them out in this place.

"Thanks to the excellent constitution of things, that there is no acknowledged evil in the whole course of nature, or providence, that is without a beneficial operation, sufficient to justify the appointment or permission

permission of it, by that great and good Being who made, and superintends all things. But because tempests by land and sea, poisonous plants and animals, &c. do good, considered as parts of the whole system; and because it certainly seems better in the sight of God, that they should exist than not, must we not, therefore, guard against their pernicious effects to ourselves?

"Let this be applied to the case of civil and ecclesiastical tyranny in every form. The Divine Being, for good and wise ends, permits them; but he has given us a power to oppose them, and to guard ourselves against them. And we need not doubt, but that things will be so guided by his unseen hand, that the good they were intended to answer will be answered, notwithstanding our just opposition; or will appear to *have been* answered, if we succeed in putting a final end to them. He makes use of men as his instruments, both in establishing and removing all these abuses, in civil and ecclesiastical government."

P. 69. "I am afraid our Saviour and his apostles were not aware of this necessity of a legal maintenance for gospel ministers, or they would certain-

ly have made some provision for it, or have left some instructions concerning it. But, perhaps, this was omitted by them, to prevent any reflection being cast upon themselves; for, according to this principle, they were but indifferently qualified for the discharge of their office. To be perfectly serious: If our Lord had imagined that any real advantage would have accrued to the ministers of his gospel from a legal provision, I do not see why we might not (either in his discourses or parables) have expected some hint of it, and some recommendation of an alliance of his kingdom with those of this world, in order to secure it to them. But no idea of such policy as this can be collected from the New Testament. For my part, I wonder how any man can read it, and retain the idea of any such worldly policy, so far am I from thinking it could have been collected from it."

In the same year, 1769, Dr. Priestley found a new and eminent antagonist against whom to exercise his talents, in defence of the rights of Protestant dissenters. Dr. Blackstone, the celebrated author of the Commentaries on the laws of England, had not only recited with approbation the statutes of Edward VI. and

and Queen Elizabeth, in which the penalty of confiscation of goods and imprisonment for life, for the third offence, are denounced against all who shall speak in derogation, &c. of the book of common prayer, but justified the continuance of such penalties, intimating that any alteration of them would be a breach of the articles of union between England and Scotland, and censuring in harsh and severe language, every attempt to depreciate the liturgy, as calculated for no other purpose than merely to disturb the consciences, and poison the minds of the people.

Dr. Priestley, in a bold and manly reply, and with a more than ordinary vehemence, which he thought the occasion called for, as believing himself to be particularly aimed at, refutes what Dr. Blackstone had advanced, and points out the injustice of such statutes, and the illiberality of those who undertake to defend them; inasmuch as dissenters are thereby precluded from making a proper defence of their principles, which can never be done with energy or effect, without exhibiting the true grounds of their dissent, founded on the unscriptural forms of worship contained in the books of common prayer. He also

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enters into a discussion of some historical facts not fully or accurately stated by Dr. Blackstone. This learned lawyer thought it necessary to make a reply, in which he declares that he had no view to Dr. Priestley in what he had said; that part of his Commentaries having been written fifteen years before; and that he was altogether unacquainted with his writings, his ingenious history of Electricity excepted. He openly disavowed the sentiment that "the spirit, the principles, and the practices of the sectaries are not calculated to make men good subjects;" and generously promised to cancel the offensive paragraphs in the future editions of his work. Dr. Priestley addressed a handsome and polite letter to Dr. Blackstone, in the St. James's Chronicle, which I remember to have read, either in that or some other newspaper at the time, and this brought the controversy, so far as Dr. Blackstone was concerned in it, to an amicable conclusion.

This controversy with Dr. Blackstone, led Dr. Priestley to write another pamphlet, entitled, *A View of the principles and conduct of the Protestant Dissenters, with respect to the civil and ecclesiastical constitution of England*, London, 1769. In this tract, after

after some general observations, he states particularly the religious principles of the Dissenters, and their objections against the constitution of the church of England; as claiming a power to decree rites and ceremonies; as establishing a *hierarchy*, consisting of orders of men, with titles and powers, absolutely unknown in the New Testament, &c.; on account of the practice of some useless and superstitious ceremonies; on account of the obstinate adherence to a form of prayer that contains many exceptionable passages. Lastly, the rational Dissenters have a class of objections peculiar to themselves, founded on the disbelief of the doctrine of the Trinity, and other points asserted in the liturgy or articles of the church of England. These heads are enlarged upon, and exemplified with great spirit and propriety. He next enters into a detail of the political principles of the Dissenters, and shews that there is nothing in them unfriendly to monarchy or the civil constitution of England, or to render them unworthy of the patronage or protection of government; to which, as settled at the Revolution, they and their ancestors have been the firmest friends. The whole concludes with a summary view of the history of the Puritans

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and some miscellaneous observations. Upon the whole, this is a very valuable performance, clearly and elegantly written, and highly worthy of the attention of that respectable body of men in whose favour it was composed.

The spirited tract above mentioned, was soon followed by another piece of a practical and sentimental nature, stiled, *A Free Address to Protestant Dissenters, as such.* By a Dissenter. The first edition of this piece was published at London, in 1769; the second, with enlargements, in 1771; and the third at Birmingham, in 1788. The two first were published without the author's name. In the preface, he assigns a very handsome reason for this concealment. "If it be asked, why the author chose to conceal his name, he frankly acknowledges, that it was not because he was afraid of making himself obnoxious to the members of the church of England. If they understand him right, they will perceive that his intentions towards them are far from being unfriendly; and if they understand him wrong, and put an unfair and uncandid construction upon what he has written, he trusts that, with a good meaning, and in a good cause, he will never be over-awed by the fear

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of any thing that men may *think* of him, or *do* to him.

" Neither was it because he was apprehensive of giving offence, either to the *minister*, or to the *people*, among the dissenters, because he has spoken with equal freedom to both; but in reality, because he was unwilling to lessen the weight of his observations and advice, by any reflections that might be made on the persons from whom they come. An anonymous author is like the abstract idea of a man, which may be conceived to be as perfect as the imagination of the reader can make it.

" If, however, notwithstanding all the author's precautions, any of his readers should find him out, he hopes that, along with so much *sagacity*, they will at least have the goodness to forgive what was well intended, and excuse imperfections in one who is, at least, desirous to render others free from them."

After an animated exordium, the author treats in the first section *of the importance of the dissenting interest with respect to religion.* Under this head he shews, that it is only from dissenters that a reformation can be expected of those gross corruptions that have been introduced into religion; that princes and statesmen

statesmen only make use of it as an engine of state policy to promote their own secular ends; that all the service they can do to religion is not to intermeddle with it at all, so as to interrupt the reformations that might take place in it from natural and proper causes, &c.

"The kingdom of Christ (says Dr. Priestley) is not represented by any part of the metallic image of king Nebuchadnezzar, which denoted all the empires of this world; but is the *little stone cut out of the mountain without hands.* It is a thing quite *foreign* to the image, and will at last fall upon it and destroy all the remains of it. All that true christianity wishes, is to be unmolested by the kings and rulers of the earth, but it can never submit to their regulations.

"No christian prince before the reformation ever interfered in the business of religion, without establishing the abuses which had crept into it; and all that christian princes have done since the reformation, has tended to retard that great work; and to them and their interference it is manifestly owing, that it is no farther advanced at this day."

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The reformation proposed by Wickliffe, so early as the year 1460, is shewn to have been more complete than any that has actually taken place in the church of England by the authority of the legislature. Errors and abuses have since been discovered, which Wickliffe did not suspect, but which affect the very vital parts of the christian system, and while adhered to, form an insuperable obstacle to its progress, such as the doctrine of the Trinity, &c. In order to remedy which abuses, the clergy must throw up their preferments, and the laity refuse to attend the established worship, in which case a reformation of the greatest abuses would immediately take place. Dissenters, in the mean time, ought to act the part that their situation enables them to do, by a rigid scrutiny into the foundation of their religious principles, rectifying what they find amiss, and using their endeavours to enlighten the minds of others. They ought conscientiously to forbear giving any countenance by a stated attendance on worship, that they believe to be unscriptural and idolatrous, which countenance on their part must have a natural tendency to perpetuate error and promote the cause of infidelity.

In section second, *the importance of the dissenting interest, with respect to the civil interests of the community*, is considered. The narrow views of the old Puritans with respect to civil and religious liberty, is candidly acknowledged and contrasted with the liberal ideas of their descendants, the present race of Dissenters. The just claims of this part of the community to a full participation of civil privileges are asserted, and at the same time they are consoled by truly christian motives and considerations, and exhorted to patience and acquiescence in the view of being deprived of them.

Section third, treats *of the manner in which Dissenters ought to speak or write concerning the church of England.* And here they are exhorted to integrity, and the most manly and open acknowledgment and profession of their sentiments respecting the divine unity and other important points. The lukewarmness and indifference, which the author saw with regret, growing up and spreading among the Dissenters of his time, founded either on false ideas of toleration and religious liberty, or arising from a sinful conformity to the fashionable world, are here severely

severely and deservedly censured, and a more strict and laudable conduct earnestly recommended.

The fourth section contains *observations on the expence attending the dissenting interest.* By the example of the primitive christians, and that of their ancestors the Puritans, the Dissenters are here exhorted to liberality in support of a good cause, which can never be maintained at too great an expence while it is considered as the cause of God and truth.

The fifth section gives excellent advice to ministers, with respect to their public and private conduct, manner of life, method of preaching, and discharge of their professional duty, highly deserving their most serious and attentive consideration.

Sections sixth and seventh, treats of the low and divided state of the dissenting interest, and the causes of it, which is shewn to be no just cause for abandoning it, but on the contrary to furnish motives for greater zeal and exertion.

P. 109. "The cause of *truth and liberty* can never cease to be respectable, whether its advocates be few or many. Rather, if the cause be just and honourable, the smaller is the party that support it, the fewer there are to share that honour with us. It

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can never be matter of praise to any man to join a multitude, but to be singular in a good thing is the greatest praise. It shews a power of discernment, and fortitude of mind, not to be overborne by those unworthy motives, which are always on the side of the majority, whether their cause be good or bad."

P. 122. "Though it happens, that in the town in which you live, there be no society of Dissenters that you can entirely approve of, it can hardly happen but that there will be some, which, if you consider seriously, you may more conscientiously join with, than with the church of England. If we take in every thing relating to doctrine, discipline, and method of worship, I think there is no sect or denomination among us, that is not nearer to the standard of the gospel than the established church; so that, even in those circumstances, you will be a dissenter, if reason, and not passion or prejudice, be your guide.

"If when you reside for any time in the country, you chuse to go to church rather than to the dissenting meeting-house, because the dissenters happen to make no great figure in the place; if you feel any thing like *shame*, upon seeing the external meanness

meanness of the interest, and secretly wish to have your connections with it concealed; conclude, that the spirit of this world has got too much hold of you, and that religious motives have lost their influence.

"If this be your general practice (and I wish I could say it was not so, with many of the more opulent among us) you are but half a dissenter; and a few more worldly considerations would throw you entirely into the church of England, or into any other church upon earth. With this temper of mind you would, in primitive times, have been ashamed of *christianity* itself, and have joined the more fashionable and pompous heathen worship. But consider what our Lord says with a view to all such circumstances as these, *Whosoever shall be ashamed of me, and of my words, of him also shall the son of man be ashamed, when he cometh in the glory of his father, with his holy angels.*"

A postscript is added to this excellent address, in which dissenters are exhorted to a serious observation of the Lord's day, a regular attendance on public worship, and a proper concern to promote the cause of religion in the world.

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The friendly care of our author to serve the cause of religion among the Dissenters, appeared soon after by the publication of another seasonable and valuable treatise, entitled, *A Free Address to Protestant Dissenters, on the subject of Church Discipline; with a Preliminary Discourse, concerning the Spirit of Christianity, and the corruption of it by false notions of religion*, London, 1770.

A sprightly animated vein of thought runs through this preliminary discourse; particularly that part where the love of Christ is considered as exciting a stronger sympathy, and having a more powerful practical effect, when he is contemplated as a man who lived and died to promote and secure the final happiness of mankind, apart from those false ideas annexed to his character in the Athanasian and Arian schemes. The true glory and dignity of Christ is also asserted in significant and affecting terms. The pernicious effects of false notions of religion on the mind, and the distress and uneasiness occasioned by them, are displayed and deplored.

The treatise itself contains eight sections. The first treats of the state and effect of church discipline in primitive times, and opens with the following just description

description of the end and design of christianity in general, and the institution of christian societies in particular.

"We are sufficiently authorised to say, that the great end which the Almighty had in view, in the dispensation of the gospel, was the reformation of a sinful world; and that whereas before the coming of Christ, the Jewish nation, alone, was honoured with the title of the *peculiar people of God*, the general promulgation of the gospel of Christ was intended to procure him, from *all* nations promiscuously, *a peculiar people zealous of good works*.

"Every christian society, therefore, having the same object in a particular place, that christianity in general has with respect to the world at large, should be considered as a voluntary association of persons who embrace christianity, and who are desirous of taking the most effectual methods to promote the real ends of it; or, in the language of scripture, *to build themselves up in the holy faith whereof they have made profession, to edify one another, and to provoke unto love and good works.*

"The members of christian societies are to exhibit to the world around them, an engaging pattern

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of christian virtue, faith, hope, and joy; that *others, seeing their good works, may glorify their father who is in heaven.*

" In every christian church, therefore, there should be provision for admonishing all those who transgress their duty; for *reproving*, *rebuking*, or *exhorting*, for taking every favourable opportunity of suggesting useful hints, cautions, and encouragements; in order to make good impressions on the minds of all, at those seasons in which they are most likely to be deep and lasting, as in time of sickness, affliction, and distress. More especially, there should be proper provision that children and youth be particularly attended to, that they be carefully instructed in the fundamental and practical principles of christianity, in order that they may be well prepared for entering upon life with advantage, and be proof against the temptations and snares to which they will be exposed in it. Lastly, the weak and wavering should be strengthened, and have their difficulties removed. By this means, the great motives to a holy life being continually kept in remembrance, every member of the society may be *prepared for every good word and work*, be disposed to act with

with propriety and dignity, as becomes men and christians, upon every occasion in life, and to die with composure and good hope."

Our author observes "that the plan of a christian church was originally the same with that of a Jewish synagogue. Synagogues were places set apart for the reading and expounding of the law, and also for prayer. Here the people in the neighbourhood assembled for these purposes, every sabbath-day. A number of the more elderly persons, and those who had the most influence in the neighbourhood, had the title of elders, were appointed rulers of the synagogue, and had some kind of authority over those who belonged to the place; and some one of them was generally distinguished from the rest, but only by precedence, and having the direction of the service. The apostles and primitive christians, having been used to these regulations in places of public worship, adopted them in the constitution of christian churches.

"When, therefore, in consequence of preaching the gospel in any place, a number of persons were converted, the apostles immediately formed them into a *regular body*, and appointed proper *officers*.

Those who were distinguished for their age, gravity, good character, and knowledge, were made *presbyters* or *elders;* or, as they were sometimes called, *bishops*, though the last title was very soon appropriated to one of them; who was not, however, superior to the other elders in rank or authority, but only (to prevent confusion) presided in the assembly, and superintended the business of preaching, baptizing, and administering the Lord's supper. He also gave orders with respect to some other things, in which a number could not act to advantage.

"Besides elders and bishops, *deacons* also were appointed. They were persons whose business it was to assist the elders and the bishop, particularly in administering to the poor, and in other things that were of a civil, and not of a spiritual nature.

"But it was a fundamental principle in the constitution of the primitive churches, that no regulation, or resolution, respecting the state of the whole church, could be made but by the body of the people. They also chose the bishop and the elders, as well as the deacons.

"Epiphanius, who flourished A. D. 360, says, that nothing was necessary to the regular constitution

tion of a church, but elders and deacons; and that in churches where none of the elders were thought worthy of any distinguished rank, there was no bishop.

"It was the business of the elders, and by no means of the bishop only (who, in this respect, was only considered as one of them) to watch over the society, for the moral and religious purposes above mentioned. This is very evident from the book of acts, and the apostolical epistles."

The view our author has given of the constitution of the first christian churches, is justified by express quotations from scripture and early ecclesiastical writers, and the state of church discipline, and the impartiality with which it was administered, is described.

Section second, exhibits an account of the corruption and decay of the primitive church discipline, arising from the introduction of diocesan episcopacy; by church censures having been employed to animadvert upon particular *opinions* as well as practices; by the annexing of civil penalties to the sentence of excommunication; and lastly, by the injunction of *penances*, some of which were of a scandalous and ridiculous

diculous nature, and the commutation of these for sums of money, &c.

Section third, gives an account of the low and imperfect state of church discipline among rational Dissenters, in which, remarks are introduced concerning the state of things with respect to this article, in the church of England, and among the Presbyterians and Independents.

In section fourth, the circumstances are related that have brought about the change described in the preceding. Section fifth treats of the original state, progress, and present estimation of preaching; and in section sixth, a delineation of a method of church government, coming pretty near to the primitive plan, is given; in treating of which many pious and edifying observations are introduced. In section seventh, objections to this scheme of church discipline are considered, and some of its advantages more distinctly pointed out; and section eighth, suggests additional considerations as motives to the establishment of it.

Upon the whole, this treatise on church discipline is one of the most valuable of Dr. Priestley's practical pieces, abounding in fine, moral, and instructive sentiments,

sentiments, highly worthy the attention of christian ministers and people, and calculated to have excellent effects upon the minds of all who retain a proper attachment to the purity of christian morals. To use the words of the author, p. 115, "Should any society of rational christians, despising the insignificant censures of the world, form themselves upon this model, having no other object than the genuine simplicity of christian doctrine, and the native purity of christian manners, they would do themselves immortal honour; and, should their example be generally followed, they might be said, in a manner, to re-christianize the world."

The various pieces that Dr. Priestley had published relating to the Dissenters, with his occasional attacks upon the church of England, brought upon him the censure of an anonymous writer, himself a Dissenter, to whom the Doctor replied in a Tract, with the following title, *Letter to the Author of Remarks on several late Publications relative to the Dissenters, in a Letter to Dr. Priestley*, London, 1770. In this Tract, consisting of twelve letters, a particular reply is given to the objections of this anonymous writer, the Doctor's former writings are vindicated, particularly

particularly his *Free Address to Protestant Dissenters, as such.* The church of England is charged with idolatry, and the nature of Athanasian idolatry is considered, and other topics are treated of, which the anonymous censurer had led the Doctor to touch upon.

In the same year he published, *An Answer to a second Letter to Dr. Priestley*, dated Leeds, Sept. 6, 1770. In this short Tract, consisting of four pages, 8vo. close print, Dr. Priestley replies to several complaints and charges made against him by the author of the *Remarks*, &c. in answer to his former set of letters concerning the Dissenting Interest. He confines his former assertions with respect to the topics in discussion, censures the maxims of the writer as being of a lax and trimming cast, and insists that his charge of *idolatry* upon those who pay divine honours to Jesus Christ, is just and well founded.

About the year 1770, was first published, *An Appeal to the serious and candid Professors of Christianity, on the following subjects*, viz. 1. *The use of Reason in matters of Religion.* 2. *The Power of Man to do the will of God.* 3. *Original Sin.* 4. *Election and Reprobation.* 5. *The Divinity of Christ;*

Christ; 6. *Atonement for Sin, by the Death of Christ.* This little Tract has had a most extensive circulation in England, Scotland and Ireland, and is too well known to require any particular account to be given of it. It was written by the author with the humane and benevolent design of enlightening the minds of the common people. The fifth section, which treats of the unity of God in the person of the Father, and the true nature of Christ is particularly valuable. The scriptural quotations are well selected, and forcibly urged. The conclusion is pathetic, affecting, and edifying. The first editions were sold for *one penny* each copy. It was afterwards enlarged, with a concise history of the rise of the doctrines mentioned in it, and an account of the trial of Mr. Elwall, and sold for *threepence*. At the time, or soon after the Appeal was published, the trial of Mr. Elwall was re-printed separately, with some extracts from his other writings in the first edition, and afterwards with extracts from the Unitarian writings of William Penn, the celebrated founder of the state of Pennsylvania. The trial of Elwall was re-printed at Dundee, in Scotland, and sold for a *halfpenny*. A number of answers having appeared to the Appeal

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soon after its publication, Dr. Priestley published *A Familiar Illustration of certain passages of Scripture*, relating to the six points discussed in the Appeal; to which he added an excellent prayer respecting the present state of christianity. This piece was intended as a confirmation of the Appeal, and a reply to all who had animadverted upon it. In the conclusion, he expresses his views and expectations with respect to this, and the two other small pieces he had composed with a view to instruct the inferior ranks of mankind. A truly christian object, worthy of Dr. Priestley, but too often neglected by the Dissenters of this world, who write only for fame, emolument, or to maintain the spirit, power, or credit of a party.

About the same time, our Author published, *Considerations for the Use of Young Men, and the Parents of Young Men.* Price twopence.

In this piece, the evils attending the irregular indulgence of sensual appetites and desires, are laid before youth in a clear, convincing, and powerful manner, and the cultivation of the virtues of purity and chastity strongly enforced. Early marriage, even previous to the acquisition of a fortune, is recommended, as an incentive to industry, frugality, and other

other virtues. The whole is closed with pious reflections, in which some pertinent quotations from Scripture are introduced.

We now come to consider the largest and most important publication that came from Dr. Priestley's pen during his residence at Leeds, viz. *Institutes of Natural and Revealed Religion*, first printed in 3 vols. 12mo. coming forth soon after one another, and afterwards re-printed twice in 2 vols. 8vo. and 12mo. This work is dedicated to the younger part of the congregation of Protestant Dissenters, at Mill-hill, in Leeds. The dedication bears date Leeds, March, 1772; and was afterwards recommended by the author to the consideration of the younger part of his congregation at Birmingham, Jan. 1, 1782. It was drawn up at first when the Author attended the academy, but had no doubt received accessions and improvements during the space of time that intervened before its publication. This work is extremely well calculated for the perusal of young people, and was used by the author as a foundation for lectures for that purpose. It is none of the least of its recommendations, that abstruse and sublime subjects are treated in it with such a degree of perspicuity as to

render them intelligible to persons of ordinary apprehension. To the work is prefixed an instructive *Essay, on the best method of communicating Christian Knowledge to the Members of Christian Societies.*

The first part is divided into three chapters, relating to the being and attributes of God, and the duty and future expectations of mankind; and these three chapters are judiciously subdivided into several sections, in which, whatever can be inferred concerning the divine character, the passions and affections of men, their relations to one another and future prospects, from nature's unassisted light, or the proper exercise of our rational faculties, is distinctly stated and defined. Though the author has thought proper to guard what he has advanced on this part of his subject with the following necessary caveat: "Such are the conclusions which nature teaches, or rather which she *assents to*, concerning the nature and perfections of God, the rule of human duty, and the future expectations of mankind. I say *assents to*, because, if we examine the actual state of this kind of knowledge, in any part of the world, not enlightened by revelation, we shall find their ideas of God, of virtue, and of a future state, to have been very

very lame and imperfect, as will be shewn more particularly when we consider, in the next part of this course, the *want* and the *evidence* of DIVINE REVELATION."

In the second part, after a sensible and spirited introduction, our author shews the origin and corruption of natural religion in general, and of *theology* in particular, the progress of idolatry, and the shocking superstitions that abounded in the heathen world, the imperfect conceptions that the philosophers entertained concerning God, the moral sentiments of the heathens, and their notions of a future life.

From the wretched state of morals and theology in the heathen world, and the deplorable circumstances in which mankind were placed, the probability of a divine interference is very justly inferred. Our Author, therefore, proceeds to state the positive evidences of revelation, and, previous thereto, he considers the nature, use, and credibility of miracles, the importance of testimony, with rules for estimating its value; he then opens the *antecedent credibility* of the Jewish and Christian revelations, the authenticity of the books of scripture, the evidence from testimony in favour of the christian revelation,

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the evidence from the *resurrection* of Christ, and other facts of a similar nature, and the credibility of the Old Testament history.

He displays the evidence of the Jewish and Christian revelations from present appearances, viz. from their existence, propagation, and good effects, from standing customs, and internal marks of truth.

Lastly, he states the evidence of revealed religion from prophecies relating to *various nations* which had connections with the Jews, viz. *Ishmael* and his posterity, the *Arabs*, *Nineveh*, *Babylon*, *Tyre*, and *Egypt:* from prophecies relating to the Messiah, viz. Gen. xlix. 10. Is. xi. 1. Ps. ii. 7, 8. Is. xlix. 6. Jer. xxiii. 5. xxiii. 14. Micah v. 2. Is. ix. 1. lii. 13. liii. 1, &c. Zech. ix. 9. Hag. ii. 4. Dan. ix. 24. Is. xi. 1, 2, 3. Mat. iii. 1, &c. iv. 2, 5, 6; from the prophecies in the New Testament relative to the destruction of Jerusalem, the corruption of christianity, and the rise of the antichristian power mentioned by Paul, and John in the Revelation.

He next examines the pretended miracles of Apollonius Tyanæus, the magical rites of the heathens, the Popish miracles ascribed to the Abbe Paris, and one that was said to have been wrought among

among the Camisards, and shews from the circumstances attending them, or the account given of them, that they are destitute of credibility, and cannot be fairly urged to invalidate the truth and evidence of the miracles which have been wrought for the confirmation of the Jewish and Christian revelations. Lastly, he replies to various objections against the Old and New Testament, and the facts and doctrines contained in them.

To this part of the work there is an Appendix, containing an ingenious *Essay on the analogy between the methods by which the perfection and happiness of men are promoted, according to the dispensations of natural and revealed Religion*, re-printed from the Theological Repository.

The third part, treats of the Doctrines of Revelation. In the introduction, the Author makes some remarks on the writings of Doctors Reid, Oswald, and Beattie: and in chapter first, after some observations on the unity of God, and the unhappy departure of the generality of mankind from this important tenet, the basis of the Jewish and Christian revelations, he recites a great many passages from Scriptures, well selected, relating to the unity, natural

tural perfections, and providence of God, and also his moral perfections. It is impossible to read this detail of quotations, without being struck with the just and sublime sentiments of the sacred writers, and acknowledging their vast superiority to the most admired writings of Pagan antiquity. The various branches of piety and moral duty towards the Creator, his creatures, and ourselves, are stated in the words of scripture, with occasional remarks. The positive institutions of revelation follow next in order, viz. the Observance of the Sabbath, Sacrifices, the Jewish Ritual, Baptism, the Lord's Supper, and the Government of Christian Churches. Lastly, a future state in general, the nature of future rewards and punishments, the duration of the latter, with the future condition of the world, are treated of. The work closes with an Appendix, in two sections, concerning other intelligent beings besides man, and abstinence from blood. This Treatise has been very properly adopted by the *Unitarian Society of Great Britain for promoting Christian Knowledge and the Practice of Virtue*, into the number of their books, and is sold at the very moderate price of 3*s.* 6*d.* in boards.

boards. By this means, its general circulation will be secured.

Before we take our final farewell of Dr. Priestley at Leeds, we must go back a little, and offer some observations on a celebrated and valuable work projected by him and carried into execution, with the assistance of others, during his residence at that place, entitled, *The Theological Repository*. The proposals for this work bear date *Leeds*, Nov. 1768. The persons who concurred with Dr. Priestley in this undertaking, were Mr. Cappe of York, Mr. Clarke of Birmingham, Dr. Kippis, Mr. Merivale of Exeter, and Mr. Turner of Wakefield. The plan was approved of by several other persons, and particularly by Mr. Aikin of Warrington, and Dr. Price. The chief burden, however, of conducting and arranging the whole, lay upon Dr. Priestley, and he received no assistance from any of the names before mentioned, except his near neighbour, Mr. Turner, of Wakefield. (See advertisement at the end of vol. 1.)

Many valuable original essays on various theological topics and critical disquisitions, made their appearance in this Repository; the three first volumes

were

were finished in 1771, and then the work was discontinued for several years. Mr. Turner of Wakefield, Mr. Crodale, Mr. Merivale of Exeter, Mr. Lindsey, and others, contributed to enrich the work with their ingenious productions. But none made a more capital figure than Dr. Priestley himself. The signatures he assumed, were *Clemens*, *Liberius*, and *Paulinus*; and the pieces that were written under these signatures, were the following, viz.

1. The one great end of the life and death of Christ; or the death of Christ no sacrifice or satisfaction for sin. Vol. 1, p. 17, 121, 195, 247, 327, 400.

2. Observations and queries concerning Judas Iscariot's being present, or not present, at the institution of the Lord's supper. Vol. 1, p. 141.

3. Observations on Christ's proof of a resurrection, from the book of Moses. Vol. 1, p. 300.

4. Observations on the apostleship of Mathias. Vol. 1, p. 376.

5. Essays on the Harmony of the Evangelists. Vol. 2, p. 38, 98, 230, 313.

6. Remarks on Rom. v. 12-14. Vol. 2, p. 154.

7. Observations

7. Observations on St. Paul's reasoning concerning Melchizedec. Vol. 2, p. 283.

8. Observations on the Abrahamic covenant. Vol. 2, p. 396.

9. An Essay on the Analogy there is between the methods by which the perfection and happiness of men are promoted, according to the dispensations of natural and revealed religion. Vol. 3, p. 4.

10. Observations on the reasoning of St. Paul. Vol. 3, p. 87, 188.

11. Observations on Infant Baptism. Vol. 3, p. 231.

12. An Essay on the Importance of Faith in Christ. Vol. 3, p. 239.

13. A Criticism on 1 Cor. xv. 27. Vol. 3, p. 255.

14. General arguments in favour of the Socinian Hypothesis, and an explanation of some texts which seem to be unfavourable to it. Vol. 3, p. 345, 357.

15. Observations on Christ's Agony in the Garden.

16. Observations on the Harmony of the Evangelists. Vol. 3, p. 462.

Leaving the curious objects discussed in these pieces to the consideration of the inquisitive reader, I shall only notice two of them, which I apprehend to be of more importance than the rest, viz. the first and fourteenth. This last mentioned, containing *General Arguments in favour of the Socinian Hypothesis*, &c. relates to a subject at that time much debated, and which underwent a particular discussion from different writers in the Repository itself. The general arguments here stated carry a great degree of weight in them in favour of the humanity of Christ, and against the Arian notion of his pre-existence, and several passages of scripture which seem at first sight to favour Arianism, and have often been urged for that purpose, are very ingeniously solved and explained, particularly John xvi. 28. and v. 13. Here I shall turn to the first Essay mentioned, which I consider as one of the most finished and elaborate that ever proceeded from the pen of Dr. Priestley, viz. *The one great end of the life and death of Christ.* In this Essay, every thing materlal in his *Scripture Doctrine of Remission*, published in 1761, is inserted, and the whole is much enlarged and improved.

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He first endeavours, by a pretty long process of ingenious reasoning, to prove, that the principal and distinguished object of christianity, was to *ascertain* and *exemplify the important doctrine of a future state*, and that the other real objects and ends of the life and death of Christ, do all either flow from, or are perfectly consistent with this principal end.

Besides this primary end or object, he enumerates nine other dependent or subordinate ends.

2. If Christ lived and died to ascertain and exemplify the doctrine of a future state, and if, as has been represented, it was impossible that this should have been done without his actual death and resurrection, *he* certainly *died for us*, or on our account; and without his death, the great ends of his mission, our salvation from sin, could not not have been gained, which gives the greatest propriety to all such texts as the following: John x. 11-18 xv. 13. Rom. iv. 25. 1 Peter iii. 18. 3. Christ came to do the will of God. 4. To afford an example of voluntary obedience and suffering virtue. 5. He suffered and died to perfect his character. 6. To qualify him for obtaining a glorious reward, which might afford a strong motive of obedience to all his followers.

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The rest are of such a nature that they cannot be conveniently abridged, and all are illustrated by texts of scripture quoted at full length.

Having thus stated his own ideas with respect to the life and death of Christ, he proceeds to oppose those notions that he considers as erroneous and ill-founded. After some remarks on the figurative and metaphorical style of oriental nations, and particularly of the sacred writers, and the mistakes that have arisen from too literal an interpretation; he quotes several passages at full length, in which Christ is represented as a sacrifice, either expressly, or by plain reference, viz. John i. 29. Eph. v. 2. Heb. 7. 27, and refers to various other passages in the same epistle, 1 Pet. i. 2-18. 1 John ii. 2. iv. 10. Rev. v. 6-9. Is. liii. 10. 2 Cor. 5. 21. He refers to Heb. i. 3. vii. 25. ix. 11. xvi. 12, 14, 21, where he is called *a priest*, and *a high priest*. He considers the language of these passages as figurative, so far as respects the terms sacrifice and priest, and assigns six distinct arguments to justify this method of interpretation. The second of these is, "that the Jewish sacrifices are no where said, in the Old Testament, to have any reference to another more perfect sacrifice, as might have

have been expected, if they really had referred to any such more perfect sacrifice, and such an one had been necesssry. On the contrary, whenever the legal sacrifices are declared, by the prophets, to be insufficient to procure the favour of God, the only thing that is opposed to them as of more value in the sight of God, is personal holiness, good works, or moral virtue." Under this, he quotes the following texts at length, Psal. li. 16, 17. Is. i. 11-20. Hos. vi. 6. Amos v. 22-27. Micah vi. 6, 7, 8. Mark xii. 32, &c.

He inclines to think that sacrifices were not, in their origin, of divine institution, but took their rise from the corporeal ideas men had of God in early ages in the infancy of the world, and were offered as *gifts*, *presents*, *entertainments*, or circumstances accompanying an address to the Deity, Psal. i. 8, &c. "It was not the *sacrifice*, but the priest that was said, in the Old Testament, to make *atonement*. Nor was a sacrifice universally necessary for that purpose; for, upon several occasions, we read of atonement being made, when there was no sacrifice. Thus Phinehas is said to have made atonement for the children of Israel, by slaying the transgressors,

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Num. xxv. 13. Moses made atonement by prayer only, Exod. xxxii. 30. and Aaron made atonement with incense, Num. xvi. 46, 47.

He differs from the author of *Jesus Christ the Mediator*, who says, "that in the very notion of sacrifice there was respect to sin;" and opposes the sentiments of Dr. Taylor, that sacrifices were *a symbolical address to God*, &c. He quotes the texts in which the term λύτρον, *ransom*, is used in the New Testament, or which convey a similar meaning, Math. xx. 28. Mark x. 45. John xi. 50. 1 Tim. ii. 8; and introduces the remark of Vigilius (Mr. Turner of Wakefield) upon some of these texts, who summing up what he has advanced upon them, observes, "Upon the whole, it appears, that wherever any of the derivations from λύτρον, are applied to Christ, and especially to his death, they convey no idea of a price paid to ransom men from the penalties of the broken law, but of a moral expedient to deliver men from subjection to, and the practice of sin; and I think this is the precise meaning of λύτρον in the texts of Mathew and Mark." The same learned writer shews, that though the preposition ἀντὶ, sometimes signifies *instead of*, yet in various places it signifies,

nifies, *because of*, or *therefore*, as Luke i. 20. ii. 3. xix. 44. Acts xii. 23. Eph. 5. 31. Heb. xii. 2, &c. He treats of the texts which represent Christ as *bearing the sins of mankind*, Isa. liii. 11, 12. 1 Pet. ii. 34. Heb. ix. 28; and explains the term *bear* in the sense of *bearing away* or removing, and thinks his understanding them in this sense justified by John i. 29. 1 John iii. 5-6. Math. viii. 17, and observes, that "the phrase *bearing sin*, is never applied under the law, but to the *scape-goat* on the day of expiation, which was not sacrificed, but, as the name expresses, was turned out into the wilderness, a place not inhabited."

He considers various representations of the death of Christ in the New Testament, viz. as a *curse*, Gal. iii. 10; as a *passover*, 1 Cor. 5, 7; as a *testament*, enforced by the death of the testator, as having a resemblance to *the serpent which was exposed by Moses in the wilderness*; and concludes from the various and opposite nature of the representations, that they are probably intended as figurative allusions and comparisons, and ought not to be taken in a gross and literal sense. He concludes this part of the subject by quoting Rom. vi. 3-6-8. Gal. ii. 20-24.

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vi. 14. Eph. ii. 5, 6; in which the strongest figures derived from the sufferings, death, and resurrection of Christ, are applied by the apostle Paul to the state and condition of christians in general, and his own in particular, the greater part of which metaphors are bolder, and more far-fetched, than the comparison of the death of Christ to a sacrifice, and shew that the apostles were fond of considering it in a moral view, as affording the strongest and noblest motives to a holy life.

He produces several other passages from the Gospels and Epistles, as John xx. 31. Acts x. 43. xiii. 39. Rom. 3. 24. 1 Cor. vi. 11. Gal. ii. 16. Eph. iv. 32. 1 Thess. i. 10. Heb. vii. 25. 1 John ii. 1, &c.

After remarks on these passages, and others connected with them, he has the following observation: "Upon a careful examination of these and other texts, produced for the *commonly received* doctrine of atonement, it must be granted, that some do seem to represent the pardon of sin as dispensed in consideration of something else than our repentance or personal virtue; and according to their literal sense, the pardon of sin is, in some way or other, procured by Christ. And had the literal representation been

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all of a piece; had the sacred writers uniformly represented God the Father as dispensing the pardon of sin to penitent offenders, in consideration either of the sufferings, or of the merit of Christ, our only intercessor, the account would have had more of the air and consistency, at least, of truth: But when the pardon of sin is sometimes represented as dispensed in consideration of the *sufferings*, sometimes of the *merit*, sometimes of the *resurrection*, and even of the *life* and *obedience* of Christ; when it is sometimes Christ, and sometimes the spirit that intercedes for us; when the dispensing of pardon is sometimes said to be the proper act of God the Father; and again, when it is Christ who forgives us, we can hardly hesitate in concluding, that these must be, severally, *partial representations*, in the nature of figures and allusions, which, at proper distances, are allowed to be inconsistent, without any charge of impropriety in the stile of the composition."

From these texts, the Author appeals to the general sense of scripture, in which the pardon of sin is represented as dispensed solely on account of men's personal virtue, a penitent upright heart, and a reformed exemplary life, without the least regard to

the sufferings or merit of any being whatever. In proofs of which, the following passages are alleged: Gen. iv. 7. Psal. xv. throughout, li. 17. Is. iii. 10. lv. 7. Math. v. 1-12. Our Saviour's beautitudes, vi. 14. John xii. 16. Acts x. 34. ii. 37. iii. 19. xvii. 31. Rom. xiv. 17, 18. 1 Cor. xv. 58. 2 Cor. i. 12. 1 Tim. iv. 8. Jam. ii. 24. Rev. ii. 10. xiv. 13. xxii. 14.

The absolute declarations of mercy and favour to the penitent and virtuous, are quoted in the following places: Exod. xxxiv. 6-7. 2 Chron. xxx. 9. Psal. xxv. 8. lxxxvi. 5. ciii. 8. Is. xxx. 18. Ezek. xxxiii. 11-14, &c. Dan. ix. 3. Michah vii. 18. Jonah iv. 2. John xvi. 26. 2 Pet. iii. 9. 1 John i. 9. Rom. iii. 24. Titus iii. 7.

The penitential addresses of David, in which he pleads the free mercy of the Divine Being, and sometimes his own integrity, and the stress Hezekiah and the worthy Nehemiah laid upon good works, are exhibited in these places, Psal. vi. 4. xxv. 6. li. 1. vii. 8. Isa. xxxviii. 3. Nehem. v. 19. xiii. 14-22. Our author reasons strongly from these, and the foregoing passages, as utterly inconsistent with the popular doctrines of atonement and the inefficacy of good works,

works, and expresses his surprise "that, in all the books of scripture, neither in the Old or New Testament, neither the Divine Being himself, to the patriarchs; neither Moses, nor the prophets, by his direction, to the Jews; nor Christ, or his apostles, to the christians, ever assert, or explain, *the principle on which the doctrine of atonement is founded*; for though they describe the heinous nature of sin, in the strongest colours, represent it as exceeding sinful, and the like, they never once go a single step further, and assert that *it is of so heinous a nature, that God*, the infinitely good and gracious, *cannot pardon it, without an adequate satisfaction being made to his justice*, and the honour of his laws and government." The author of *Jesus Christ the Mediator*, having asserted, that the principles on which the doctrine of atonement is founded, are laid down by the apostle Paul in Rom. iii. 25-26, our author thinks that the passage, when rightly rendered, affords no foundation for such an assertion.

Our Author thinks, that if it had been the great end of Christ's coming into the world, to make satisfaction to the justice of God either for the sins of the whole world, or those of the elect only, we might expect

expect to find sufficient reference to it in the history and discourses of Christ, and also that the promised Messiah should have been *announced* before-hand by the Jewish prophets in this important light. But after a pretty exact scrutiny into the contents of the gospels, he does not find any such doctrine delivered in them, either in the accounts we have of our Lord's birth, the declarations of John the Baptist concerning him, or his own discourses, Mark i. 14. These last are chiefly in a moral strain: "He inveighs freely against all the prevailing vices and irregularities of his time, and mentions all the more aggravating circumstances of them; but he never hints at any satisfaction being made to the justice of God for them. He makes a fine encomium upon several moral virtues, and pronounces, absolutely, such and such characters to be fit for the kingdom of God, but never with any such cautions or restrictions as are generally given at this day, letting us understand, that these virtuous qualifications *alone* will not entitle a man to a place there."

"The sermon on the Mount contains excellent moral lessons, but nothing else. Without the least mention of any method of making the deity placable, he

he pronounces, clearly and authoritatively, what characters were entitled to the blessings of the kingdom of heaven, and what were not entitled to them. He also says, Math. vii. 21. *Not every one that says unto me, Lord, Lord, shall enter into the kingdom of heaven, but he that doth the will of my father who is in heaven.* When a certain lawyer asked him, *What shall I do to inherit eternal life?* he said unto him, *What is written in the law, how readest thou?* And he answering said, *Thou shalt love the Lord thy God with all thy heart, and with all thy soul, and with all thy strength, and with all thy mind, and thy neighbour as thyself. And he said unto him, thou hast answered well; this do, and thou shalt live.* Those who maintain the commonly received doctrine of atonement, and the insignificance of every thing that fallen man can do, to obtain the favour of God, can make nothing of this passage, but by supposing that our Lord spoke here ironically, a supposition which my reader, I dare say, will not ask me to refute."

"When a certain ruler asked him, saying, Math. xix. 16. Mark x. 17. Luke xviii. 18. Good master, what shall I do to inherit eternal life, he still refers them

them to the commandments, and bids him also *sell all that he had and follow him, assuring him that then he would have treasure in heaven.*

"When the woman was caught in adultery, he says to her, John viii. 11. *Neither do I condemn thee; go, sin no more.* And when Zaccheus made profession of his repentance, Luke xix. 9. *Jesus said unto him, This day is salvation come to this house; for the son of man is come to seek and to save that which was lost.*"

"In the representation that our Lord makes of the transactions of the day of judgment, in the 25th chapter of Matthew, there is no mention of any thing but of good or bad works. The righteous, agreeably to their character, think humbly of themselves, and will hardly believe that they have done any thing very meritorious: they are surprised and overcome with joy at the approbation of their virtue and merit, but never refer themselves to the sufferings, or to the merit of their advocate and judge, for the ground of their hopes; though nothing in the world can be conceived to have been more natural and pertinent upon the occasion."

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"When our Lord directs his disciples to pray for the forgiveness of sins, in that excellent form which is commonly called the Lord's Prayer, Matt. vi. 12. doth he give the most distant hint of the pardon of sin being dispensed in consideration of what *he* should do or suffer for them? On this occasion, he surely could not have omitted representing himself in this light, if the sins of men had really been forgiven on his account; and especially, if a regard to his death or merit, had been necessary to the obtaining the remission of sins. The form is nothing more than this: *Forgive us our trespasses, as we forgive them who trespass against us.* And so far is he from giving a hint of any deficiency in this form, that what he subjoins, by way of explication, with respect to this most important petition, is as clear a confutation of the doctrine of atonement, as could be given by a person who had never heard of it, and could not suspect it. For he says, v. 14. *If ye forgive men their trespasses, your heavenly father will also forgive you. But if ye forgive not men their trespasses, neither will your father forgive your trespasses.* The same sentiment occurs, Math. xviii. 35. Mark xi. 25, &c."

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Dr. Priestley refers to our Lord's parable of the person who owed ten thousand talents, Math. xviii. 23. to the creditor who had two debtors, Luke xv. 18. &c. as exhibiting the sentiments and conduct of his heavenly Father with respect to the forgiveness of sin; and treats of various other passages in the gospels. He considers the omission of the commonly received doctrine of atonement in our Lord's solemn prayer, John xvii. in the history of his agony in the garden; in his trial before the Jewish Sanhedrim, Pilate and Herod, at his crucifixion, and after his resurrection, in the charge he gave to his disciples, to preach the gospel to all nations, as affording strong suspicions that this tenet is not an original doctrine of christianity, but has come into it in some such manner as other corruptions have been introduced. He appeals to Peter's discourse to the Jews, Acts ii. 33. iii. 17, 18. Stephen's apology, Acts vii. the conversation that took place between Philip and the Eunuch respecting Isa. liii. Acts viii. Peter's discourse to Cornelius, Acts x. 34, &c. Paul's discourses before the Jews at Antioch, Acts xiii. 28. at Thessalonica, chap. xvii. before Agrippa, chap. xxvi. and at Rome, chap. xxviii. to the heathens at Lystra,

Lystra, Acts xiv. and at Athens, chap. xvii. and sums up his observations upon these passages with the following remark; "When we find the apostles so absolutely silent, where, we cannot but think, there was the greatest occasion to open themselves freely concerning the doctrine of atonement; when, in their most serious discourses, they express themselves in language that really sets it aside; when they never once directly assert the necessity of any satisfaction for sin, or the insufficiency of our good works alone to entitle us to the favour of God and future happiness, must we build so important an article of our faith upon mere hints and inferences from their writings? The doctrine is of too much importance to be built on such a foundation."

Doctor Priestley proceeds to combat an objection that has been started against his scheme of divinity, viz. "that the apprehension of some farther satisfaction being made to divine justice than repentance and reformation, is necessary to allay the fear of sincere penitents." He asserts, "that it appears from the history of the opinions of mankind, that all men naturally apprehend the Deity to be propitious." In proof of this assertion, he considers the state of the

patriarchal religion in the time of Job, and quotes the following passages at length: Job xi. 14, &c. xxii. 21, &c. xxxiv. 31. xxxv. 8, &c. v. 16. xlii. 5. He appeals to the history of the repentance of the Ninevites, Jonah iii. 4, &c. iv. 2. He recites some passages from the books called *Apocryphal, Wisdom* ix. 23. *Ecclesiasticus* xxxv. i. *Song of the Three Children* v. 12-16. He refers to the prayer of *Manasses*, and the history of the *Mother and her Sons*, mentioned in the book of Maccabees; and quotes Philo, Josephus, Maimonides, and other Jewish writers. He quotes Dr. Hyde and Grosse's voyage, for an account of the notions of the ancient *Persians* and modern *Persees*; and Mr. Dow's history of Indostan, for the ideas of the Indian Brachmans; and Le Page du Pratz, for those of the tribes of America."

Doctor Priestley denies that any satisfaction is necessary to the justice of God for sin: "For divine justice is not that blind principle, which, upon any provocation, craves satisfaction indiscriminately of all that comes within its reach, or that throw themselves in its way; but justice in the Deity can be no more than a modification of that *goodness*, or benevolence, which is his sole governing principle; the object

ject and end of which, is the supreme happiness of his creatures and subjects. His happiness being of a moral nature, must be chiefly promoted by such a constitution of the moral government we are under, as shall afford the most effectual motives to induce men to regulate their lives well. Every degree of severity, therefore, that is so circumstanced as not to have this tendency, *viz.* to promote repentance, and the practice of virtue, must be rejected by the benevolent principle of the moral government of God, as disagreeable even to divine justice, if it have the same end as the divine goodness, the happiness of God's creatures." He considers the doctrine of atonement in a practical view, and thinks the belief and influence of it unfavourable to virtue and morals.

Doctor Priestley concludes the whole of this ingenious Treatise, with an account of the scheme of salvation by Jesus Christ, according to his own conceptions of it, from which I shall give the following extract.

"I am very sensible that, after an attempt to shake the credit of a doctrine, which many persons look upon to be the most essential to christianity, as the

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most fundamental principle, the life and soul of the whole scheme; without which, all the rest is a mere dead, lifeless thing, destitute of spirit or meaning; the advocates for the doctrine of atonement will be ready to ask, what, if we give up this point, must be our notions of christianity? Wherein shall we differ from the *Deists?* Instead of making a direct reply to these queries, I shall subjoin, by way of conclusion, a concise view of the scheme of salvation by Jesus Christ, without the doctrine of atonement for sin.

"Let us, then, suppose the whole race of mankind to be in a state of apostacy from God, lost to all sense of religion and virtue, in the expressive language of scripture, *dead in trespasses and sins;* and that without a revelation and a saviour, they were in the most deplorably vicious and wretched circumstances, in a sure way to make themselves miserable both here and hereafter.

"In this state of things, God, the ever benevolent, who is *good to the unthankful and the unworthy*, wishes their happiness; but, rational and moral agents, as men are, cannot be made happy without being recovered to a sense and practice of their duty, which must, from its own nature, be a voluntary thing:

thing. What, therefore, can the ever blessed God, tender of our happiness, do for us? To force our compliance, would not answer the purpose. We must be *won upon*, be engaged by proper *motives* and considerations, to reform our hearts and our lives. Such measures must be taken with men as are suited to the nature of *reasonable beings*, and, at the same time, governed very much by views of interest, for such creatures are men.

"Now all that we conceive could possibly be done for us; all that even infinite wisdom, goodness, and power could contrive and execute, in order to our recovery, due regard being had to our nature, may be reduced to these following particulars. *First*, to instruct us in the whole of our duty. *Secondly*, to engage us to the performance of it, by the promise of suitable and sufficient rewards, and to deter us from disobedience by the fear of punishment. *Thirdly*, to draw us by a proper set of examples of virtue; and *lastly*, to give us the most satisfactory assurance of the pardon of our past sins upon our repentance and reformation, of the certain acceptance of our sincere, though imperfect endeavours to

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do our duty, and of all necessary assistance in the practice of it.

"And hath not all this been done for us in the most ample manner, in a course of moral dispensations, commencing in the days of our first progenitors, and carried on with the utmost regularity, through the hands of the *patriarchs*, *Moses*, and the *prophets*, till it received its highest perfection by the hands of the blessed *son of God* himself? who, on this truly great and generous errand, submitted to all the infirmities, indignation, and inconveniencies of human life; and, to close the whole in the most advantageous manner, died a most painful and ignominious death."

"Is not here a scheme of salvation and redemption, in every part complete, without any atonement? Simple as it is, do not the few parts of which it consists, contain every thing that could be applied, with effect, for our benefit? Would not then any addition to it greatly clog and embarrass the scheme, and spoil its effect? You say, this leaves us at a loss to know what provision is made for the pardon of our sins; but what doth that concern us? If we have the fullest assurance, from the mouth of God himself,

himself, that our sins are *actually* forgiven, upon our repentance, (though we did not know for what reason, or whether any other reason than repentance were necessary) should not that satisfy us? Is not this assurance, all that can possibly be any inducement to us to forsake our evil ways, and return to God and our duty?"

"You still ask, what necessity for the death of Christ upon this scheme? If he did not die to make satisfaction for our sins, must he not have died for some end that was very low, and unworthy of him? I reply, (by recapitulating what has been advanced before) is to die a martyr to the truth, to prove his divine mission in the most illustrious manner that we can conceive; to ascertain the reality of a resurrection, and a future life, to such beings as we ourselves are; to evidence the benevolence of his heart, and the greatness of his soul, the vast importance of the work he undertook, and how much his heart was in it; to encourage all who should hereafter embrace his religion, to lay down their lives with courage and cheerfulness, in the cause of truth and integrity, by giving an example of suffering virtue in his own agony and death; and that God, by his exaltation to glory,

glory, in reward of his obedience unto death, might thereby exhibit, before all who believe in him, an example of the certainty and greatness of the rewards, which he will confer on all who shall, in like manner, obey him; were these and the other subordinate ends mentioned in the former part of this article, I say, low and unworthy of Christ? And when we say that he died for these purposes, though we add no other, do we say that he died in vain? When his death so circumstanced, looked with so friendly an aspect upon human virtue and happiness; and when by this means, our Lord put the finishing hand to so extensive a scheme, in which was done whatever was practicable, to recover fallen man to immortal virtue and happiness, is he not with great propriety stiled, our *redeemer*, *saviour*, and *mediator?*"

"And when in the word of God, we are taught to consider all the evils that infest this present world; the laborious cultivation of the earth; the shortness and infirmities of human life; with death, and all the evils we can name, as the consequence of the introduction of sin into the world; when the Almighty threatens impenitent sinners with unspeakable torments in the world to come; when he hath put in execution

execution a scheme so astonishingly glorious and expensive, to redeem us from all iniquity; having given up his only son to die, in order to effect it; can we have any pretence for saying, that God hath not sufficiently testified his abhorrence of sin? What could he have done more, consistent with his perfections, and with the natures he had given us to testify that abhorrence.

"With this great, but simple scheme of religion, the apostles were entrusted, that they might publish it for the benefit of the world. And when we consider what vessels they were that it was deposited in, and to what immediate use it was to be applied, we shall not wonder at the tincture it received from them. The apostles were *Jews*, and they had to do with Jews. The phrases belonging to the Jewish religion were the most familiar to them, and the fittest, in the world, to make the simple doctrines of christianity take with their countrymen. At a profuse expence, therefore, of figures and allusions fetched from the Jewish ritual, to make the new religion the better to tally with the old; liberties too great for our *European* manners, but not greater than the Jewish nation had been accustomed to; at the

expence, therefore, of no sincerity, or integrity, they suit their entertainment to the taste of those who were first to be invited to partake of it."

Such are the sentiments of Dr. Priestley with respect to the *one great end of the life and death of Christ*, the subordinate and secondary ends, and the doctrine of atonement, which I have endeavoured to exhibit with precision and candour. He has said enough, I apprehend, to establish the important and comfortable tenet of the placability of the divine nature, and to confute the Calvinistic doctrine of the necessity of a plenary satisfaction to the justice of God for sin: but whether his arguments be sufficient to overturn all the more moderate schemes that have been proposed with respect to this much litigated subject, I shall not pretend to affirm. The subject is viewed in a different light by some writers in the Theological Repository itself. See an *Essay* on the Sacrifice of Christ, Vol. 1, p. 173 to 183, and p. 225 to 236, by Theophilus. An Essay on praying in the name of Christ, Vol. 1, p. 363 to 376; and Observations on the Sacrifice of Christ, Vol. 2, p. 3 to 22, by Verus. Eusebius (Mr. Turner of Wakefield) published a Dissertation on the meaning

meaning of atonement in the Old and New Testament, Vol. 3, p. 385 to 433. His method of treating the subject resembles that of Dr. Priestley more than that of any of the beforementioned writers; but his notions in all respects do not appear to me to be precisely the same. He observes, p. 431, "Thus I have taken notice of, and endeavoured to explain all the passages of the New Testament where I find the words ιλασκομαι ιλασμος, and ιλαστηριον, made use of and applied to Christ, and I apprehend that they all relate only to the establishment and confirmation of those advantages we at present enjoy by the gospel, and particularly of a free and uninterrupted liberty of worshipping God according to the institutions of Christ, granted unto us in consequence of his death; just as the legal atonements served (though far more imperfectly) similar purposes under that dispensation." And p. 433, after having quoted several passages in the New Testament, he adds, "In all these passages the death of Christ is represented as the *means* by which the reconciliation, redemption, or deliverance of mankind is effected, and the forgiveness of sins already conferred on believers, through the free grace of God, in order to their

their improvement in holiness, by the influences of the example, doctrine, and institutions of Christ, which are provided for the benefit of the whole community of his church. But I do not recollect any text, where the death of Christ is respresented, as the *cause*, *reason*, or *motive*, why God has conferred these blessings on men." See also, p. 425 to 429, too long to be here quoted.

In May 1773, Dr. Priestley took his farewell of his congregation at Leeds, in a pious and energetic discourse, from 1 Pet. i. 13, which was afterwards published. Some months before his resignation of the pastoral office, he had declared his intention to the congregation by letter, and received from them a reply expressive of their affectionate esteem for his person, and their grateful sense of his sincere and faithful services as a minister, and earnest endeavours to instil knowledge and inculcate good principles on the minds of their children, and bearing testimony to the harmony, peace and friendship that had mutually prevailed during their connection. From Leeds, he went to reside with Lord Shelburne, in the capacity of a literary companion, and did not fail to employ

employ the leisure he enjoyed in the composition of various literary works.

In the year 1772, a considerable number of respectable clergymen of the church of England, joined with some professors of medicine and law, united in an application to Parliament for relief from the obligation of subscription to the thirty-nine articles of the church of England. This petition, after having been debated in an animated manner in the House of Commons, was rejected by a majority of its members. The Dissenters also applied about the same time for a redress of their grievances, and to be relieved from an obligation to subscribe the doctrinal articles of the church of England, most unjustly imposed upon them by the legislature. But their application was unsuccessful at that time. Though Dr. Priestley took no active concern in these proceedings, for wise and good reasons, he could not remain an unconcerned spectator in a case that so nearly interested the Protestant Dissenters. He therefore published a pretty large pamphlet, with the following title, *A Letter of Advice to those Dissenters who conduct the Application to Parliament for Relief from certain Penal Laws, with various Observations*

servations relating to similar subjects, London, 1773. In this publication, he applauds the conduct and steadiness of those who had managed the application to Parliament. He recommends to them an enlargement of their views; that they should rise in their demands, and make each succeeding application an improvement upon the former; that not contented with a redress of those grievances that merely affected themselves, they should take the case of all their dissenting brethren under consideration, and request a general abolition of all penal laws without exception, and particularly of the act of William and Mary, which affects Unitarians of every description, that make an open profession of their opinions. With a high degree of generosity, he recommends to the Dissenters to petition for a bill by which unbelievers shall be as much at liberty to attack, as themselves to defend, either christianity in general, or their particular opinions concerning it.

He hints at some advantageous alterations that might be made in the ecclesiastical establishment itself; though he leaves what improvements are most necessary or expedient, to such persons as the Candid Disquisitors, the author of the Confessional, and the

the late petitioners among the clergy, together with Mr. Wollaston and his friends, to set forth. Such persons as these (he observes) who themselves feel the grievances, are best able to explain and judge of them. Concerning other alterations, which are entirely of a civil nature, he considers political men as better judges than the clergy, such as the inequality of ecclesiastical benefices, the mode of provision by tythes, and the temporal power of the bishops, all of which he thinks might be rectified or changed for the better. Lastly, he thinks it a proper subject of inquiry for the politician, whether, considering the many abuses to which ecclesiastical establishments are liable, there be really any utility in them at all; and whether the very great expence which always attends them, might not be applied to a better purpose. In the remaining part of this pamphlet, the Author treats of the offence he has given to those Dissenters who have conformed to the church of England, particularly Dr. Dawson; of the objection that has been made to the declaration of a belief in the scriptures proposed in the late bill, and of the opposition made to it by some of those who are called Orthodox Dissenters.

Before

Before I leave this pamphlet, I cannot help producing a pretty long, but highly interesting quotation from it. Though Dr. Priestley, in various places of his writings, has charged the established worship of the church of England with idolatry, both before and after the date of this publication, particularly in his *Letters concerning the Dissenting Interest*, p. 17, 21, and his *Familiar Letters to the Inhabitants of Birmingham*, Letter xvii. p. 126; yet in none of these has he stated the charge so minutely, or brought it so fully and completely home, as in the following passage. In justice to his memory, therefore, and to those upon whom the imputation falls, it ought to be exhibited and laid anew before the public; more especially as it is extracted from a part of his writings, at present perhaps little read or attended to.

P. 39. "No single thing in my writing seems to have given more offence to the clergy of the church of England, than my calling the established church an *idolatrous* one. But I cannot help thinking that the friends of that establishment would have done much better, if, instead of using those expressions of surprise and horror, which are still resounding

from

from all quarters upon this occasion, they had waited in silence till the first consternation had abated, and they had been capable of considering the charge with composure and attention. On the contrary, I have not found that a serious refutation of the charge, which I have often avowed and repeated, and which I now again avow and repeat, has been so much as attempted; except, strange as it may seem, by a Dissenter, to whose apology for the church of England I have replied. Certainly, however, if the charge can be proved to be false, the odium which must otherwise fall upon the church of England, will recoil upon myself. But if it be true, the violent exclamations of the bishop of Llandaff, and his friends, will only tend to make the accusation more notorious, and more effectual.

"I cannot say that I am at all surprised at the manner in which this charge of idolatry has been received. It is, indeed, of no trivial, but of a most serious nature, importing that the religious establishment of this country comes under the description of the great *antichristian system*, which was to prevail in the latter times, as well as the church of Rome, the leading characters of which are a corrup-

tion of the christian principles, and a depravation of its spirit, usurpation of the rights of God and of Christ, idolatry, (and consequently blasphemy) and persecution by the civil power.

" Indeed, almost every sect of christians that has had power, has been chargeable with the same enormities, and *so far*, and *so long*, they also have borne the *mark of the beast;* but, next to the church of Rome, no christian church has ever borne those marks so evidently, and so long. It is, therefore, my serious opinion, that in that utter destruction of all antichristian corruptions and usurpations in christianity, which is clearly predicted by the prophets, the church of England will not escape ; but that the impiety and idolatry of her tenets, her avowal of a claim to power which belongs to Christ only, viz. *authority in controversies of faith*, and the righteous blood which she has shed, together with every unjust restraint which she has laid upon men for conscience sake, will *come up in remembrance before God*, in those *days of vengeance*, the near approach of which, I own, I am looking for.

" But, heavy and serious as this charge of idolatry is, the principles on which it is grounded are sufficiently,

ficiently obvious and intelligible, so that, if it can be refuted, the refutation must be very easy; and consequently every thing, besides argument, must be superfluous, at least previous to argument.

"The question is simply this: Is there only one God? Or are there more Gods than one? Or, to avoid all ambiguity, are there more *intelligent agents* than one, who are uncreated, having an existence independent of all other beings, and to whom, as omnipresent and omnipotent, prayers may with propriety be addressed?

"The writers of the Old and New Testament, and that great Being by whom these writers were inspired, not only answer this important question in the negative, but every where lay the greatest stress upon that negative. The first of all the commandments is, *Thou shalt have no other Gods but me.* Moses, and the rest of the prophets, repeat this great doctrine so frequently, that the establishment of it cannot be denied to have been the greatest object of that dispensation of religion. Our Lord Jesus Christ, *the man approved of God, by miracles, and wonders, and signs, which God did by him,* who received all his doctrine from God, and whom God raised

raised from the dead, calls this same God his own *God and Father*. He expressly addresses him under the character of the *only true God*, and asserts, that he only is to be worshipped.

"The apostles uniformly speak the same language, acknowledging only *one God, even the Father, and one mediator, the man Christ Jesus;* and to adopt the contrary sentiment, and to conduct divine worship agreeably to it, by multiplying objects of worship, has always been termed *idolatry;* and being in the highest degree derogatory from the most essential rights of that God, who has solemnly declared that he will not give his glory to another, cannot be termed less than impious and blasphemous. It must be as much so as any opinion, and practice grounded upon it, can be. It is even impossible to suppose a case in which those terms can be applied with more propriety.

"The worship of different created beings makes no sensible difference in this respect, since an *archangel* and a *stone* are equally what God makes them to be. Their peculiar powers and properties are liable to be destroyed and changed at his pleasure; and with the same ease he can even annihilate them both;

both; so that the *worship* of either of them, *as God*, is equally absurd and impious.

"Now, do the articles, and public offices of the church of England, uniformly speak the language of the scriptures concerning the proper unity of the object of divine worship? They are open to inspection and examination, and the style of them is sufficiently clear and free from ambiguity. If they do, I retract my charge, and take shame to myself. If they do not, the charge is not the less true, because it is not acknowledged, or because both ingenious and good men may not be convinced of it. The church of Rome has had a Pascal, a Fenelon, and a Bossuet, and yet all Protestants maintain it to be an idolatrous and antichristian church; and though the church of England should be able to boast greater names than these, men who should avow and defend all her doctrines and usages, which, however, is not the case, it would not, on that account, be less idolatrous, or antichristian.

"That these articles and public offices *do* speak a language different from that of the scriptures above recited, is to me exceedingly obvious, and I cannot but think and speak according to this evidence. I shall

shall in this place recite a few passages, that others may judge whether my charge be void of all foundation or not.

"In the Nicene creed, which is adopted by the church of England, Christ is affirmed to be *God of God, light of light, very God of very God.* In the Athanasian creed, the godhead of the Son, and of the Holy Ghost, is said to be *one with that of the Father, their glory equal, their majesty coeternal.* Christ is also there said to be *uncreated, eternal, almighty and incomprehensible.* In this creed it is said, that *we are compelled by the christian verity, to acknowledge each person in the Trinity, by himself, to be God and Lord.* And, moreover, of this *catholic faith,* as it is here called, it is asserted that *except a man believe it faithfully, he cannot be saved.* The proper *articles* of the church of England are drawn up in the same style with these two creeds, asserting, that *in the unity of the godhead there be three persons, of one substance, power, and eternity, the Father, the Son, and the Holy Ghost.*

"Agreeably to this unscriptural *doctrine,* is the *practice* of this church. In the *Litany,* or form of solemn supplication, the petitions are chiefly addressed

dressed to Christ. *O God the Son, redeemer of the world, have mercy upon us miserable sinners;* and though, in the opening of it, all the three persons are addressed, both jointly and separately, yet the principal reference is evidently kept up to Christ, through the whole, as appears by these clauses; *By the mystery of thy holy incarnation, by thy holy nativity and circumcision, by thy baptism, fasting, and temptation,* &c. After this curious passage, there is no mention of any other object of worship, and the whole concludes with the solemn and repeated invocation of the Son only. *Son of God, we beseech thee to hear us. O Lamb of God, that takest away the sins of the world, grant us thy peace. O Christ hear us. Lord have mercy upon us. Christ have mercy upon us. Lord have mercy upon us.*

"In the Communion Service is the following very strange and inconsistent address to Christ. *O Lord, the only begotten Son, Jesus Christ; O Lord God, Lamb of God, Son of the Father, that takest away the sins of the world, have mercy upon us,* &c. *For thou only art holy, thou only art the Lord; thou only, O Christ, with the Holy Ghost, art most high in the glory of God the Father.*

"To

" To quote no more, in the Collect for Trinity Sunday, God is said to have given us *grace, to acknowledge the glory of the eternal Trinity, and in the power of the divine Majesty, to worship the Unity.*

" Now the whole of this appears to me to be directly contrary to the plain tenor of the scriptures. If, therefore, I consider the doctrine of the scriptures to be true, this contrary doctrine cannot but appear to be false; and if the doctrine of the scriptures on this subject be of *importance*, that of the church of England must, in the same proportion, appear to be *dangerous;* and I should think it criminal in myself, or any other person (who should see this subject in the same light that I do) not to bear our testimony (in whatever manner we shall judge, from our situation and circumstances, to be the most proper and effectual,) against so gross a corruption of our holy religion, whatever human laws may enjoin to the contrary.

" The act of William and Mary, which in part declares the doctrine of the divine Unity to be *blasphemy*, only expresses the opinion of William and Mary, and of those English Lords and Commoners who, if they may be said to have had any opinion at all

all about the matter, happened to think as William and Mary did. But what is that to the solemn declaration of God himself, which asserts their opinion to be impious and blasphemous.

" Whatever respect other persons may be disposed to feel for a *parliamentary system of religion*, I own that the very idea of it appears to me to be, in the highest degree, preposterous and absurd; and that I should receive with much more respect a parliamentary system of *philosophy*, and for what appears to be a very plain and sufficient reason, *viz.* that, of the two, our law-makers probably know rather more of philosophy than divinity..... Some persons may think, that the doctrine of a Trinity in the Divine Unity, is only a metaphysical subtility, of no practical importance. This subject I have argued with the Dissenter above referred to, (Letter concerning the Dissenting Interest; p. 21, &c.) and I shall not here repeat what I have before advanced on that subject. I shall only observe, in general, that the doctrine of the pre-existence of Christ, and of a plurality of persons in the Deity, appears to me to have been one of the first great corruptions of christianity, and the natural foundation

for most of the rest, as will perhaps appear in the history which I hope, in due time, to publish of those corruptions."

This pamphlet has annexed to it a long and important quotation from Dr. Hartley's Observations on Man, and a short one from the writings of Nicholas Mann, Esq. in which the most serious and affecting considerations are set forth respecting the state and circumstances of the European world, both with respect to doctrinal matters, the profligacy and corruption of manners, and the judgments and calamities that may be expected to follow in consequence. If these Observations of Hartley and Mann, had any weight and authority in them at the time they were written by their respective authors, or in 1773, when extracted by Dr. Priestley, they must appear to have more *now*, after the occurrense of so many astonishing events, when the cup of iniquity is more full, and the political hemisphere appears charged with fresh storms and hurricanes ready to break forth.

About this time, the Rev. Theophilus Lindsey, Vicar of Catterick in Yorkshire, a person of distinguished piety and worth, who had been one of the petitioning clergy before mentioned, finding all hopes

of

of reformation in the church of England hopeless, and having been long uneasy under the burden of subscription and the imposition of trinitarian forms of worship, nobly resigned his preferments in the church, with very little prospect of being elsewhere provided for. He published a valuable *Apology*, in which he assigned his reasons for his resignation, and stated powerful arguments and interesting facts in favour of the Unitarian doctrine: pointing out at the same time the unscriptural forms of worship contained in the Liturgy. Soon after he published *The Book of Common Prayer Reformed, according to the plan of the late Dr. Samuel Clarke*, London, 1774. Besides the amendments of Dr. Clarke, Mr. Lindsey, with the advice of friends, made such other alterations in the Liturgy as were judged necessary to render it unexceptionable with respect to the *object* of religious worship, &c. and proposed it "as a Liturgy to be made use of by a society of like-minded christians; amongst whom he should be happy if his own labours in the ministry of the gospel might find acceptance."

Dr. Priestley, who had contracted an acquaintance with Mr. Lindsey in Yorkshire some time before,

fore, and was sufficiently zealous in the cause of truth and piety, endeavoured to forward his views by a short tract, entitled, *A Letter to a Layman, on the subject of the Rev. Mr. Lindsey's Proposal for a Reformed English Church, upon the Plan of the late Dr. Samuel Clarke*, London, 1774.

In this piece our Author endeavours to remove some objections of his young friend to Mr. Lindsey's proposal, by representing the vast importance of Christianity; the corruptions that have been introduced into it by Popery, many of which are still retained in the church of England; the necessity of separating from a corrupt church and relinquishing an antichristian worship. This, enforced by the example of the Reformers, who acted up to the light they enjoyed. False and frivolous pleas stated and confuted. The improbability of any reformation in the church of England, from the fate of the clerical and dissenting petitions. To pay a regard to splendour, rank, and external circumstances in the choice of any form of religion, or continuance in the profession of it inconsistent with the spirit of christianity. Truth to be preferred for its own sake. The uncommon merit of those who, though in high stations, act according

according to the dictates of their consciences. Mr. Lindsey's proposal of *a Reformed church of England*, with a *liturgy*, coincides with the opinion of those who object to the mode of worship prevailing among the Dissenters; consequently they can have no good reason to decline supporting him in his laudable and honourable attempt. These and other similar topics are insisted and enlarged upon with much spirit and propriety in this excellent tract, which still deserves to be read as an *incentive* to the consistent and truly christian conduct recommended in it. It is a satisfaction to think that Mr. Lindsey's sincere and honourable endeavours in religion, were crowned with a considerable degree of success; that a respectable society at Essex-street chapel, London, was formed under his care; that this society has flourished for more than thirty years, and still continues to exist under the pastoral care of the Rev. Thomas Belsham.

While Dr. Priestley resided with Lord Shelburne, he published the third volume of his Institutes of Natural and Revealed Religion, an account of which has been before given. In the preface of that work, he opposed the notions of Doctors Reid, Oswald and Beattie respecting the doctrine of *com-*

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mon sense. Pursuing the same subject, he afterwards printed, in a separate work, an *Examination* of what each of these writers had advanced with respect to that point. During the same period, he also published Hartley's Theory of the Human Mind, on the principle of the Association of Ideas, &c. Disquisitions relating to Matter and Spirit, &c. The Doctrine of Philosophical Necessity illustrated. A Free Discussion of the Doctrines of Materialism and Philosophical Necessity, in a correspondence between Dr. Price and Dr. Priestley, &c. A Defence of the Doctrine of Necessity, in two letters, to the Rev. Mr. John Palmer. A Letter to Jacob Bryant, Esq. in defence of Philosophical Necessity. He re-printed Collins's Inquiry concerning Human Liberty, with a Preface. I barely mention these pieces in the order of time, but forbear to enlarge upon them, as they have already been considered by a gentleman of genius and ability in the course of this work. and, generally speaking, they do not enter into my plan, which is confined to matters purely theological. A part of the *Disquisitions relating to Matter and Spirit*, may, however, be considered, as having a relation to theology. In this view the Author considers it,

it, when he refers to it, page xix. in his Preface to *The History of the Corruptions of Christianity*. "The whole of what I have called the *Sequel to the Disquisitions, (or the History of the Philosophical Doctrine concerning the Origin of the Soul, and the Nature of Matter, with its influence on Christianity, especially with respect to the Doctrine of the Pre-existence of Christ)* I wish to have considered as coming properly within the plan of this work, and essential to the principal object of it. Indeed, when I published the *Disquisitions*, I hesitated whether I should publish that part then, or reserve it for this *History*. But the rest of this work was not then ready, and it was of too much use for the purpose of the other, not to go along with it. I wish the general arguments against the pre-existence of Christ, contained in *sect.* vi. of that Sequel, to be particularly attended to." There are also a few passages in the *Illustrations of the doctrine of Philosophical Necessity*, and some in the *Correspondence* with Dr. Price, which may be referred to the subject of Theology.

In the year 1777, our Author published at London, in 4to. *A Harmony of the Evangelists, in Greek; with Critical Dissertations, in English.* This work

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is respectfully dedicated to Dr. Price, with a preface, in which after observing that the history of Christ is infinitely more important than that of any other man that ever lived on the face of the earth, in comparison with whom, kings, law-givers, or philosophers, appear as nothing, and therefore deserves to be viewed in every possible light. He considers what has been done by former writers who have engaged in the task of harmonising the Evangelists before him. He blames Osiander among the more ancient harmonists, and Dr. Macnight among the modern, for going upon the supposition that all the Evangelists relate every thing in chronological order, so that little or nothing is to be transposed in any of them. He on the contrary thinks, that the foundation of this hypothesis proceeds upon such a notion of the *inspiration* of the gospels, and other books of scripture, as appears to be equally indefensible and unnecessary; and that the endeavours of the friends of revelation to demonstrate the perfect harmony of the historical books of scripture, and to remove every minute contradiction in them, have not only been unsuccessful, and have thereby given the enemies of revelation a manifest advantage; but

that,

that, even if they could have succeeded to their wish, the result would, in reality, have been unfavourable to the proper defence of revelation, with those who duly consider the nature of historical evidence.

He is far from thinking, however, that there is any uncertainty or ambiguity with respect to the main and important facts recorded by the Evangelists, on which our christian faith depends. p. ix. "No two persons ever gave exactly the same account of any considerable transaction, though they had the same opportunity of being well informed concerning it. On this account, differences in the narration of lesser circumstances seem to be as necessary to *complete and satisfactory evidence*, as an agreement with respect to what is capital and essential to any story. Nay, in many cases, the more persons differ in their accounts of some things, the more conclusive and satisfactory is their evidence with respect to those things in which they agree.

"It appears to me, that the history of the Evangelists has this complete evidence. They agree in their account of every circumstance of importance, which shews that their histories were written by men who were either themselves witnesses of the transac-

tions they record, or were well informed concerning them by those who were witnesses; and yet their style, and manner of writing, their more full or more concise account of discourses, together with their very different arrangement of the parts of their narrative, and their disagreement with respect to facts of small consequence, demonstrate, in my opinion, that (excepting John, who is well known to have written some time after the rest of the evangelists) they had no communication with one another, and therefore that they are to be considered as original and independent witnesses of the same fact."

Our Author acknowledges, that he was first led into the scheme of that harmony he has adopted, by reading *Mr. Mann's Dissertations on the times of the birth and death of Christ;* and though he departed from his disposition of many particular events, yet a variety of additional arguments occurred to him in support of his general hypothesis. The method which our Author pursued in arranging the parts of his Harmony is curious, and deserves to be recorded. "I procured two printed copies of the gospels, and having cancelled one side of every sheet, I cut out all the separate histories, &c. in each gospel; and having

ing a large table appropriated to that use, I placed all the corresponding parts opposite to each other, and in such an order as the comparison of them (which, when they were brought so near together, was exceedingly easy) directed.

"In this loose order, the whole Harmony lay before me a considerable time, in which I kept reviewing it at my leisure, and changing the places of the several parts, till I was as well satisfied with the arrangement of them as the nature of the case would admit. I then fixed the places of all these separate papers, by pasting them, in the order in which they lay before me, upon different pieces of pasteboard, carefully numbered, and by this means, also, divided into sections."

The Critical Dissertations that follow contain, Observations on the time of the birth of Christ. On the time of the death of Christ. On Daniel's prophecy of seventy weeks. Mr. Lauchlan Taylor's Observations concerning the length of the reign of Xerxes. Additional arguments in support of the opinion that Xerxes reigned only eleven years, and not twenty-one. On the duration of Christ's ministry. Remarks on some of the arguments of Mr.

Mann,

Mann, with observations in confirmation of them. Additional arguments in support of the hypothesis that Christ preached only one year and a few months. Objections to the preceding hypothesis considered. The order of the principal events in the gospel history, &c. and in general they treat of all the remarkable facts and circumstances recorded in the Evangelists. A Jewish and Julian Calendar follows for the time of the public ministry of Christ.

The Harmony itself is in Greek as the title expresses, and by being so is particularly adapted for the perusal of scholars; the original terms and phraseology of the Evangelists expressed in the language in which they wrote, and judiciously brought together under one point of view; being better fitted to convey their genuine meaning, than any translation can possibly be. The Author has printed in a *larger character* what appeared to him the most authentic, and the most circumstantial account of every important incident, collected from all the gospels promiscuously, placing the parallel accounts in separate columns, printed in a *smaller character*. By this means, any person who would chuse to read *the whole history*, without interruption, may confine himself

himself to the larger character, having recourse to the columns, printed in the smaller character only when he has occasion to compare the different accounts of the same thing.

Soon after the riot that took place in London, on account of the act made in favour of the Roman Catholics, our Author published, without his name, a small piece, entitled, *A Free Address to those who have petitioned for the repeal of the late act of Parliament in favour of the Roman Catholics*, London, 1780. Price twopence.

The intention of this piece was to enlighten the minds and moderate the zeal of those mistaken Protestants, who were at that time actively engaged in measures against the Roman Catholics. Our Author shews from the example and precepts of Christ, that no hostile or coercive methods ought to be used in defence of his religion, that all attempts of the kind have proved abortive; that every species of persecution, or restraint upon the consciences of men, is contrary to the spirit and genius of christianity; that the indulgence granted to the Papists, by the late act, is what humanity and sound policy loudly called for; that they are entitled to much greater liber-

ty;

ty; and that from the smallness of their numbers, and the change that there is good ground to believe has taken place in their sentiments, there is no reason to apprehend any danger from them. These, and other topics relating to the subject, are stated and urged with great force and propriety.

In 1780, Dr. Priestley published *A Harmony of the Evangelists in English; with critical Dissertations, an occasional Paraphrase, and Notes for the use of the unlearned*, 4to. London.

This Harmony is arranged in the same manner in English, as the former one was in Greek. The Critical Dissertations are also the same. The English translation is corrected throughout, wherever the Author thought it necessary. Useful notes are added to this Harmony on passages that required illustration, generally collected or supplied by the Author himself. Some were communicated by friends. Those signed T. and J. were composed by the late Mr. Turner of Wakefield, and Dr. Jebb. A valuable occasional paraphrase is given, some parts of which are very fine, particularly that on the Lord's Prayer, Matth. vi. 9, &c. and on John xvii. throughout.

The

The correspondence that took place between Dr. Priestley and Dr. Newcomb, Bishop of Waterford, on the Duration of our Saviour's Ministry, may be considered as connected with the subject of these Harmonies. It took its rise from Dr. Newcomb's having, in his own Harmony, undertaken the defence of the common hypothesis of the duration of our Lord's ministry for three years or more, and having objected to what Dr. Priestley had advanced on the subject before. Two letters were published at Birmingham in 1780, addressed to the Bishop of Waterford, with respect to this point, by Dr. Priestley, the first of which had been before printed in his English Harmony, and replied to by the Bishop. Dr. Newcomb also replied to the second letter with such ingenuity and candour, as struck Dr. Priestley with admiration. This occasioned a third letter to the Bishop, on the part of our Author. Birmingham, 1781. To this last letter, Dr. Newcomb made no public reply: but wrote a private letter to Dr. Priestley, part of which the Doctor published, with the Author's consent, expressing at the same time his esteem for the Bishop, and the amicable manner in which the controversy had been conducted.

Dr.

Dr. Priestley, while he remained with Lord Shelburne, accompanied that nobleman in an excursion to the Continent, and having had occasion to converse frequently with unbelievers, and hear their sentiments, conceived he should be able to combat their prejudices with advantage, and provide some antidote against the baneful progress of infidelity. With this view, he composed and published the first part of his *Letters to a Philosophical Unbeliever*, bearing date *Calne*, March 1780. The vast importance of the subjects treated of in this publication, are very justly stated by the Author in the opening of a very valuable preface. "It will I think be acknowledged by all persons who are capable of reflection, and who *do* reflect, that, in the whole compass of speculation, there are no questions more interesting to all men than those which are the subject of these *letters*, viz. Whether the world we inhabit, and ourselves who inhabit it, had an intelligent and benevolent author, or no proper author at all? Whether our conduct be inspected, and we are under a righteous government, or under no government at all? And, lastly, whether we have something to hope and fear beyond the grave, or are at liberty to adopt the

Epicurean maxim, *Let us eat and drink, for to-morrow we die.*" The first letter treats of the nature of evidence in general with respect to subjects that are capable of strict demonstration, and others which though they are not, yet admit of a sufficiently satisfactory evidence. He observes, "It is not pretended, that the evidence of the propositions in natural or revealed religion, is always of the former of these two kinds, but generally of the latter, or that which depends on the association of ideas; and in revealed religion, the evidence chiefly arises from testimony, but such testimony as has never yet been found to deceive us. I do not therefore say, that I can properly *demonstrate* all the principles of either; but I presume that, if any person's mind be truly unprejudiced, I shall be able to lay before him such evidence of both, as will determine his assent; and, in some of the cases, his persuasion shall hardly be distinguishable, with respect to its *strength*, from that which arises from a demonstration properly so called, the difference being, as mathematicians say, less than any assignable quantity."

The second letter contains the direct evidence for the being of a God. Our Author reasons from ef-

fects to causes. Men make *chairs* and *tables*, build *houses* and write *books*, and chairs, tables, houses or books, are not made without men. Birds build nests, spiders make webs, bees make honeycombs, &c. One plant proceeds from another, and one animal from another, by natural vegetation, or generation, and therefore it is concluded that every plant and every animal had its proper parents. Reasoning upon these and other similar facts that constant experience affords to human observation, our Author lays it down as a rule that is universally true, that *Nothing begins to exist without a cause.* If a *table* or *chair* must have had a designing cause, capable of comprehending their nature and uses, the *wood*, or the *tree*, of which the table was made, and also the *man* that constructed it, must likewise have had a designing cause, &c. For the same reason that the human species must have had a designing cause, all the species of brute animals, and the *world* to which they belong, and with which they make but *one system*, and indeed all the visible *universe*, (which, as far as we can judge, bears all the marks of being *one work*) must have had a cause or author, possessed of what we may justly call *infinite power* and intelligence.

gence. It follows, therefore, from the most irresistible evidence, that the world must have had a designing cause, distinct from, and superior to itself. This conclusion follows from the strongest analogies possible. It rest on our own constant experience; and we may just as well say, that a *table* had not a designing cause, or no cause distinct from itself, as that the *world*, or the *universe*, considered as one system, had none. This necessary cause we call *God*, whatever other attributes he be possessed of.

In the third Letter, various atheistical schemes and suppositions are considered and confuted. In the fourth Letter, an account is given of the necessary attributes of the original cause of all things, in which it is demonstrated, First, that this Being must be what we term *infinite*, or without limitation in knowledge and power. Secondly, that he must be *omnipotent* or occupy all space, though this attribute is equally incomprehensible by us with the infinite extent of his power and knowledge. Thirdly, that this infinite Being, who has existed without change, must continue to exist without change to eternity, is likewise a conclusion that we cannot help drawing, though the subject being incomprehensible, we may

not

not be able to complete the demonstration. "Fourthly, There cannot be more than *one* such Being as this. Though this proposition may not be strictly demonstrable by us, it is a supposition more natural than any other, and it perfectly harmonizes with what has been strictly proved and deduced already. Nay, there seems to be something hardly distinguishable from a contradiction in the supposition of there being *two infinite Beings of the same kind*, since, in idea, they would perfectly *coincide*. We clearly perceive, that there cannot be two *infinite spaces*, and since the analogy between this infinite unintelligible Being, as we may call it, and the infinite intelligent one, has been seen to be pretty remarkable in one instance, it may be equally strict here; so that, were our faculties equal to the subject, and had we proper *data*, I think we should expect to perceive, that there could no more be two infinite, intelligent, and omnipresent Beings, than there can be two infinite spaces.

"Indeed, their being *numerically two*, would in in some measure limit one another, so that, by the reasoning we have hitherto followed, neither of them could be the originally existent Being. Supposing them to be equally omnipotent, and that one of them should

should intend to do, and the other to undo, the same thing, their power would be equally balanced; and if their intentions always coincided, and they equally filled all space, they would be as much, and to all intents and purposes, *one and the same Being*, as the coincidence of two infinite spaces would make but one infinite space.

The fifth Letter, contains the evidence for the general benevolence of the Deity. The sixth Letter proposes arguments for its infinite extent. The seventh Letter exhibits the evidence of the moral government of the world, and the branches of natural religion. The eighth Letter treats of the evidence for the future existence of man. In the ninth Letter, the strange and ridiculous paradoxes of Mr. Hume, in his Dialogues on Natural Religion, are examined and exposed. The tenth Letter contains an Examination of Mr. Hume's Essay on a particular Providence, and a Future State. In the eleventh letter, the sceptical and atheistical reasonings contained in a French publication, entitled the *Systeme de la Nature*, are considered. The twelfth Letter contains an Examination of some fallacious methods of demonstrating the being and attributes of God, in which our Author

differs

differs from the celebrated Dr. Clarke in some particulars. The thirteenth Letter treats of the ideas of *Cause* and *Effect*, and the influence of Mr. *Hume's* opinion on this subject in the argument for the being of a God. The fourteenth Letter contains an Examination of Mr. Hume's metaphysical writings, in which our Author appears to entertain but a low idea of him as a metaphysical and moral writer, detects his fallacious reasonings, and asserts that he had no idea of the power of association in the human mind, &c.

In 1782, our Author published at Birmingham seven *Additional Letters to a Philosophical Unbeliever*, occasioned by a publication in favour of atheism, by a person who called himself William Hammon, jun. and avowed himself an atheist. In these letters, the arguments and reasonings of Mr. Hammon are considered and replied to.

In 1787, Dr. Priestley completed his plan, by publishing at Birmingham, *Letters to a Philosophical Unbeliever, Part II. containing a State of the Evidence of revealed Religion, with Animadversions on the two last chapters of the first volume of Mr. Gibbon's History of the Decline and Fall of the Roman Empire.*

These

These Letters are sixteen in number. The five first treat of the nature of testimony, the evidence of Revelation, its antecedent probability, the nature of prejudice for or against it, the causes of infidelity in persons of a speculative turn of mind. The sixth, gives the history of the Jewish religion. The seventh, the historical evidence of the truth of christianity. The eighth, assigns the causes of infidelity in early times. The ninth, gives a more particular account of the nature of those prejudices to which the heathens were subject with respect to christianity. The tenth, describes the different foundations on which the belief of Judaism or Christianity, and that of other religions stands. The eleventh, compares the evidence of Judaism and Christianity with that of Mahometanism, and of the religion of Indostan. The twelfth, treats of the nature of idolatry, and the attachment of the Heathens to it, as a principal cause of the hatred of christians. In the thirteenth, the attachment of the heathens to their religion is more particularly proved. The fourteenth, treats of the objections to the historical evidence of christianity in early times. The fifteenth, of other objections to christianity in early times. The sixteenth and last

contains,

contains, as expressed in the title, animadversions on the first volume of Mr. Gibbons's history of the decline and fall of the Roman empire.

These are the contents of this important publication, all of which are deserving of an attentive perusal. The historical evidence of the Jewish and Christian revelations are stated with such force and precision, that it is impossible to account for the rise and progress of either without admitting the truth of the miraculous facts recorded in the scriptures. Upon the whole, these letters, to a Philosophical Unbeliever, form a very valuable compendium of the arguments in favour of natural and revealed religion, from which all may derive utility, but are particularly calculated for the improvement and benefit of those persons who have not leisure or inclination to peruse large and voluminous treatises.

We now proceed to give an account of a celebrated work of Dr. Priestley's; a work which had been long projected by its Author, but delayed from time to time, and which gave rise to a controversy that continued for several years, *viz. An History of the Corruptions of Christianity, in two volumes.* Birmingham, 1782. This publication was originally promised

promised on a much smaller scale, viz. as a Sequel to the Author's *Institutes of Natural and Revealed Religion*, but having extended his views considerably, he thought proper to make it a separate work. To this Treatise is prefixed an affectionate and pathetic dedication to the Author's friend, the Rev. Mr. Lindsey, and a preface giving an account of his views and intentions in the composition of it. The general division of the work is into thirteen parts, each of which is sub-divided into sections, besides some appendices and a general conclusion, viz.

Part 1. The History of Opinions relating to Jesus Christ.

2. The History of Opinions relating to the Doctrine of Atonement.

3. The History of Opinions concerning Grace, Original Sin and Predestination.

4. The History of Opinions relating to Saints and Angels.

5. The History of Opinions concerning the State of the Dead.

6. The History of Opinions relating to the Lord's Supper.

Part 7. The History of Opinions relating to Baptism.

Appendix to Parts 6 and 7, containing the History of the other Sacraments, besides Baptism and the Lord's Supper.

8. A History of the changes that have been made in the method of conducting Public Worship.

9. The History of Church Discipline.

10. The History of Ministers in the Christian Church, and especially of Bishops.

11. The History of the Papal Power,

Appendix 1 to Parts 10 and 11.

The History of Councils,

Appendix 2, to Parts 10 and 11.

Of the Authority of the Secular Powers, or the Civil Magistrate, in Matters of Religion,

Appendix 3, to Parts 10 and 11.

Of the Authority of Tradition and the Scriptures, &c.

12. The History of the Monastic Life.

13. The History of Church Revenues.

The General Conclusion, containing,

Part 1. Considerations addressed to Unbelievers,

believers, and especially to Mr. Gibbon.

Part 2. Considerations addressed to the advocates for the present establishments of Christianity, and especially Bishop Hurd.

Appendix, containing a summary view of the evidence for the primitive christians holding the doctrine of the simple humanity of Christ.

Many curious facts and particulars are recorded under each of the parts above-mentioned; and the progressive changes, and successive stages of corruption, are marked out and delineated in the sub-divisions or sections; so that this work may be considered as an ecclesiastical history, composed upon a new plan, and exhibited under a peculiar form. The history of opinions relating to Jesus Christ, and that of the doctrine of atonement, occupy however by far the largest space, comprehending the greater part of the first volume.

With respect to the doctrine of atonement, I find nothing materially new added to what the Author had before advanced in his Treatise on *the one great end of the life and death of Christ*, (of which a copious account

account has already been given) until page 213, where the proper history of the doctrine commences. The Author contented himself, as he mentions in his preface, with giving the substance of his former work on the subject, which he has done very ingeniously and agreeably. The historical part, however, of this work is entirely new, and comprehends an account of the opinions of the apostolical fathers, of the fathers till after the time of Austin, of the state of opinions from the time of Austin to the reformation, and of the doctrine of the reformers on this subject. In treating of the opinion of the apostolical fathers, our Author observes, p. 214, "It cannot be determined from the primitive christians calling the death of Christ *a sacrifice for sin*, a *ransom*, &c. or from their saying, in a general way, that Christ died in our stead, and that he *bore our sins*, or even if they carried this figurative language a little farther, that they really held what is now called *the doctrine of atonement*, viz. that it would have been inconsistent with the maxims of God's moral government to pardon any sin whatever, unless Christ had died to make satisfaction to divine justice for it. Because the language abovementioned may be made use of by

persons

persons who only believe that the death of Christ was a necessary circumstance in the scheme of the gospel, and that this scheme was necessary to reform the world." And after quoting several passages from Clemens Romanus, Barnabas, and the Shepherd of Hermas, he adds, " It seems pretty evident, that *so far* we find no real change of opinion with respect to the efficacy of the death of Christ. These writers adopt the language of the apostles, using the term *sacrifice* in a figurative sense, and representing the value of good works, without the least hint or caution, lest we should thereby detract from the merits of Christ, and the doctrine of salvation by his imputed righteousness."

Various quotations are introduced from Cyprian, Origen, Athanasius, Lactantius, Gregory Nazianzen, Austin, &c. concerning the import of which the Author has the following remark: P. 246. " Upon the whole, I think it must appear sufficiently evident, that the proper doctrine of atonement was far from being settled in the third or fourth centuries, though some little approach was made towards it, in consequence of supposing that what is called a *ransom* in a figurative sense, in the New Testament, was something

thing more than a figure; and therefore that the death of Christ was truly a *price paid for our redemption*, not indeed directly from *sin*, but rather from *death*, though it was not settled *to whom* this price was paid. In general, the writers of those times rather seem to have considered God as the person who paid the price, than he that received it. For, man being delivered into the power of the devil, they considered the price of redemption as paid to him. As to the forgiveness of sins, it was represented by all the Fathers, and even by Austin himself, as proceeding from the free grace of God, from which free grace he was farther induced to give up his son, as the price of our redemption from the power of the devil. We must therefore proceed farther, before we come to any regular system of atonement, founded on fixed principles, such as are now alleged in support of it."

Our Author proceeds to quote and give the opinions of Gregory the Great, Peter Lombard, Thomas Aquinas, and other writers, till the period of the reformation, when by the labours of Wickliffe, Luther, Calvin, and others, whose writings he quotes, the doctrine began to assume the appearance of a system, though not without some diversity of opinion even amongst the orthodox themselves. Faustus

Socinus

Socinus and Crellius are mentioned, as bearing their testimony against the prevailing doctrine, and the whole is concluded with a train of reflections arising from the subject.

We now turn to the first part of the work: *The history of opinions relating to Jesus Christ.* This part is divided into eleven sections. After shewing in the introduction, that the unity of God and humanity of Christ are the clear doctrines of the scriptures, the Author proceeds to collect evidence for the last of these facts from ecclesiastical antiquity. In the first section, he inquires into the opinion of the ancient Jewish and Gentile churches, and alleges the testimonies of Epiphanius, Origen, and Eusebius, to prove that the Ebionites and Nazarenes, by which names the Jewish christians were distinguished, held the humanity of Christ; some believing his miraculous conception, and others not. He also quotes a very striking passage from Athanasius to the same effect, viz. that "all the Jews were so firmly persuaded, that their Messiah was to be nothing more than a man like themselves, that the apostles were obliged to use great caution in divulging the doctrine of the proper divinity of Christ." Here Dr. Priestley

Priestley very properly remarks, "But what the apostles did not teach, I think we should be cautious how we believe. The apostles were never backward to combat other Jewish prejudices, and certainly would have opposed this opinion of theirs, if it had been an error. For if it had been an error at all, it must be allowed to have been an error of the greatest consequence."

Our Author observes, p. 14, "Of the same opinion with the Nazarenes or Ebionites among the Jews, were those among the Gentiles whom Epiphanius called *Alogi*, from their not receiving, as he says, the account that John gives of the *Logos*, and the writings of that apostle in general. But Lardner, with great probability, supposes * there never was any such heresy as that of the *Alogi*, or rather that those to whom Epiphanius gave that name, were unjustly charged by him with rejecting the writings of the apostle John, since no other person before him makes any mention of such a thing, and he produces nothing but mere hearsay in support of it. It is very possible, however, that he might give such an ac-

* History of Heretics, p. 447.

count

count of them, in consequence of their explaining the *Logos* in the introduction of John's gospel in a manner different from him and others, who in that age had appropriated to themselves the name of orthodox.

Dr. Priestley also produces a very full testimony from Justin Martyn, in favour of the existence of Unitarian christians and believers in the proper humanity of Christ in his time, and in p. 18 refers to Eusebius, as relating "that the Unitarians in the primitive church, always pretended to be the oldest christians, that the apostles themselves had taught their doctrine, and that it generally prevailed till the time of Zephyrinus, bishop of Rome; but from that time it was corrupted." He also thinks that the apostle John meant to approve the doctrine of those who held that Christ was truly a man, when he says, 1 Ep. iv. 3. *Every spirit that confesses that Jesus Christ is come in the flesh, is of God;* and that he intended to censure the opinion of the *Docetæ*, or those who denied the reality of our Lord's humanity, by saying, *every spirit which confesses not that Jesus Christ is come in the flesh, is not of God, and this is that spirit of antichrist, whereof ye have heard that it should*

come, and even now already is it in the world." For this was the first corruption of the christian religion by the maxims of heathen philosophy, and which proceeded afterwards, till christianity was brought to a state little better than paganism." He also lays some stress on the circumstance "that Hegesippus, in giving an account of the heresies of his time, not only makes no mention of this supposed heresy of the Nazarenes or Ebionites, but says that in his travels to Rome, where he spent some time with Anicetus, and visited the bishops of other sees, he found that they all held the same doctrine, that was taught in the law, by the prophets, and by our Lord. What could this be but the proper Unitarian doctrine, held by the Jews, and which he himself had been taught."

Our Author concludes this section in the following words: "It is remarkable that as the children of Israel retained the worship of the one true God all the time of Joshua, and of those of his cotemporaries who outlived him, so the generality of Christians retained the same faith, believing the strict unity of God, and the proper humanity of Christ, all the time of the apostles, and of those who conversed with them, but began to depart from that doctrine presently

ly afterwards; and the defection advanced so fast, that in about one century more, the original doctrine was generally reprobated, and deemed heretical."

The second section treats of the first step that was made towards the deification of Christ, by the personification of the Logos. This our Author ascribes to the operation of several causes. The disgust that was taken by many, and particularly by philosophers, at the doctrine of a crucified Saviour, concerning which there are plain traces to be found in scripture. The allegorical method of interpreting scripture adopted by some learned Jews, particularly Philo, and imitated by Christians. The oriental doctrine of emanations from the great original mind, and that all spirits whether dæmons, or the souls of men, were of this divine origin. The prevalence of the doctrine of Plato, who styled the Logos a second God, according to Lactantius. A mistaken apprehension of the meaning of John in the beginning of his gospel, and supposing that the Logos there mentioned signifies the person of Christ, and not an attribute of God himself. Full of these erroneous notions, the fathers of the second and third centuries, several of whom had been converts from Paganism;

and

and Platonic philosophers before their conversion, particularly Justin Martyr, soon corrupted the simple doctrine of the gospel, as delivered by the apostles, and introduced a second God into their system of christianity. Passages from Justin Martyn, Theophilus, Tatian, Athenagoras, Tertullian, Novatian, &c. are quoted in proof of this assertion, and as a specimen of their method of interpreting scripture.

The third section. That supremacy was always ascribed to the Father before the council of Nice, is proved clearly by quotations from various fathers of the second and third centuries, and some beyond that period. Yea, even the fathers of the council of Nice themselves, by calling Christ *God of God*, could not mean that he was strictly speaking equal to God the Father.

The fourth section treats of the difficulty with which the doctrine of the divinity of Christ was established. It is here shewn how extremely averse the more numerous and unlearned part of christians were to receiving the doctrine of the Trinity and the divinity of Christ even in the most qualified form, and to what pains and shifts the philosophising part of the clergy were driven to make even a tolerable

defence

defence of their opinions. The following quotations, among many others, are worthy of particular note: "The simple, the ignorant, and the unlearned," "(says Tertullian) who are always a great part of the "body of christians, since the rule of faith itself," (meaning perhaps the *apostle's creed*, or as much of it as was in use in his time) "transfers their worship "of many Gods to the one true God, not under- "standing that the unity of God is to be maintained, "but with the *œconomy*, dread this *œconomy*, imagin- "ing that this number and disposition of a trinity is "a division of the unity. They therefore will have "it, that we are worshippers of two, and even of three "Gods; but that they are the worshippers of one "God only. We, they say, hold the *monarchy*. "Even the Latins have learned to bawl out for mo- "narchy, and the Greeks themselves will not under- "stand the œconomy."

Origen says, "that to the carnal they taught the "gospel in a literal way, preaching Jesus Christ and "him crucified, but to persons farther advanced, and "burning with love for divine celestial wisdom" (by which he must mean the philosophical part of their audience) "they communicated the Logos."

Epiphanius

Epiphanius says, that when a Sabellian met the orthodox, they would say, "My friends, do we be-"lieve one God or three?"

Basil complains of the popularity of the followers of Marcellus, whose disciple Photinus is said to have been, at the same time that the name of Arius was execrated. "Unto this very time," says he, in his letter to Athanasius, "in all their letters "they fail not to anathematize the hated name of "Arius; but with Marcellus, who has prophanely "taken away the very existence of the divinity of "the only begotten Son, and abused the significa-"tion of the word *Logos*, with this man they seem "to find no fault at all."

These quotations, and others in this section, make it abundantly evident, that the doctrines of the divine Unity, and the proper humanity of Christ, had taken deep root in the minds of the generality of christians, and what can this be ascribed to, but that these doctrines had been conveyed down to them in succession from the apostles themselves.

The fifth section gives an account of the Unitarians before the council of Nice. Our Author observes, "that the Christian church in general held this

this doctrine until the time of Victor, was the constant assertion of those who professed it about this time, and I think I have shewn that this was true. He mentions several men of learning who continued to profess this doctrine afterwards, viz. Theodotus of Byzantium, Artemon, Praxeus the Montanist, Noætus, Sabellius, Paul bishop of Samosata, Beryllus of Bostra, and Photinus bishop of Sirmium. The remaining six sections of this part, treat of the Arian controversy. The doctrine concerning the Holy Spirit. The history of the doctrine of the Trinity from the councils of Nice and Constantinople, until after the Eutychian controversy. The state of the doctrine of the Trinity in the Latin church. The history of the doctrine of the Trinity after the Eutychian controversy. A general view of the recovery of the genuine doctrine of christianity concerning the nature of Christ.

Five of the sections, of which the contents have been here given, represent little else but the constant progress of error, hardening and confirming itself by degrees, and framing at last a stupendous fabric of contradiction and absurdity, guarded by penal statutes and imperial edicts. Our Author remarks very

very justly, p. 113, "Thus, to bring the whole into a short compass, the first general council gave the Son the same nature with the Father, the second admitted the Holy Spirit into the Trinity, the third assigned to Christ a human soul in conjunction with the eternal Logos, the fourth settled the hypostatical union of the divine and human nature of Christ, and the fifth affirmed, that in consequence of this union the two natures constituted only one person."

The eleventh and last section gives an account of the revisal of the genuine doctrine concerning Christ at the Reformation, by Faustus Socinus and others, the notions of the modern Arians, and the different schemes and systems that have been adopted by some modern Trinitarian writers.

It was not to be expected that a work like the history of the corruptions of christianity, in which the Author attempts to wrest the argument from ecclesiastical antiquity out of the hands of Trinitarians and Arians, and represents the evidence arising from thence as favouring the Unitarians, should pass without animadversion. The first attack, however, came from a quarter little expected. Mr. Badcock, who (as afterwards appeared) at that time wrote in the theological

theological department of the Monthly Review, not contented as became a Reviewer, with giving a fair and candid account of the work, entered into a serious refutation of the first part, and threw out illiberal reflections on the writer. This was in June 1783. Our Author, without loss of time, composed an answer, bearing date July 21, which made its appearance in August following, entitled, *A Reply to the Animadversions on the History of the Corruptions of Christianity, in the Monthly Review for June* 1783; *with additional Observations relating to the doctrine of the Primitive Church concerning the person of Christ.* Birmingham, 1783. In this pamphlet, after some observations on the unfair and uncandid conduct of the Reviewer towards him, and proposing some emendations to his history of the corruptions, &c. he treats, section 1. Of the Nazarenes, Ebionites, and Alogi. 2. Of the inferences from Hegesippus. 3. Of what may be inferred from Justin Martyr concerning the state of opinions in his time. 4. Of the quotation from Eusebius; and Tertullian's account of the ancient Unitarians, more particularly considered, 5. Of his being charged with advancing that Justin Martyr was the first who

started the notion of Christ's pre-existence. 6. Of the doctrine of the miraculous conception. 7. Of Miscellaneous Articles, in which he acknowledges one or two mistakes, but of no consequence to the main argument. In these different sections, he meets the objections of the Reviewer, and confirms what he had before advanced.

Mr. Badcock did not stop at his first attack; but in the Monthly Review for September, he attempted an elaborate refutation of Dr. Priestley's reply, and laid aside the character of a Reviewer completely to assume that of a controversial writer. Our Author has some remarks on that article of the Monthly Review, in his letters to Dr. Horsley, p. 148, &c. and promises a more particular reply on certain conditions, p. 137: "To shew that I do not say this merely to get rid of the business, I declare, that if any person, *giving his name*, shall request my attention to any particular part of it, and procure me a place in the *Monthly Review*, I will speak to it as fully and explicitly as I can; and I do not think that I should require much room to give a very satisfactory answer to any article in it. I only wish for a public and impartial hearing. In the name of truth, I only

say

say δος που στω." This intimation was not attended to, however fairly proposed. And though the denial of a place in the Monthly Review was unjust with respect to Dr. Priestley, yet it was immaterial with respect to the argument; for all the main points in controversy are discussed in the correspondence that followed between him and Dr. Horsley.

This controversial correspondence took its rise from a charge delivered by Dr. Horsley to the clergy of the archdeaconry of St. Albans, at a visitation holden May 22d, 1783, and afterwards published at London (with additions), at the request of the clergy. In this charge, Dr. Horsley entertains his clergy with remarks on the first part of the History of the Corruptions of christianity, which he affects to treat as a very superficial and contemptible performance, abounding with misrepresentations, mistakes, and inaccuracies. He accuses Dr. Priestley of reviving the arguments of Zuicker and Episcopius, which had been long ago confuted by Bishop Bull, without attempting to make them good against the objections of a writer of Dr. Bull's eminence. Besides this, he pretends to give nine specimens of insufficient proof contained in Dr. Priestley's history, the

two

two first of which, he says, are instances of the circulating syllogism. First, in alleging his own sense of scripture as a proof that the primitive faith was Unitarian, without proving the fact. Secondly, in alleging the pretended silence of St. John, about the error of the Unitarians, in proof that the Unitarian doctrine is no error, but the very truth of the gospel. Thirdly, in citing a testimony from Athanasius that does not exist, or in inferring from it that those were Jewish christians, who were only unconverted Jews. Fourthly, in making a gratuitous assumption, that the Nazarenes and the Hebrew christians were the same people, and that the faith of the Nazarenes was Unitarian. Fifthly, in misrepresenting the sense of Eusebius, and charging him with inconsistency, because another writer, who is quoted by him, speaks of Theodotus, who appeared about the year 190, as the first who held that our Saviour was a mere man, &c. Sixthly, in objecting to the doctrine of the church, from the resemblance which he finds between it and the Platonic doctrine, which resemblance rather corroborates than invalidates the traditional evidence of the Catholic faith, as, when fairly interpreted, it appears to be nothing less than the consent of the

latest

latest and earliest revelations. Seventhly, in bringing proofs of an oblique and secondary kind, that the doctrine of our Lord's divinity was an innovation of the second age, without a distinct previous proof, that the faith of the first age was Unitarian. Eighthly, a mistake in translating a passage in Athenagoras, which shews him to be a child in Platonism. Ninthly, a mistake in translating a passage of Theophilus.

These pretended specimens of insufficient proof, are aggravated and amplified with great arrogance and self-sufficiency in the course of Dr. Horsley's charge, which, though written in an elegant style, is full of rudeness and sarcastic asperity. In the Appendix, he takes notice of Dr. Priestley's reply to the Monthly Review for June, in which the same want of candour is visible as in the charge.

Dr. Priestley was not slow in vindicating his history from the attack thus made upon it. In a short time after the publication of Dr. Horsely's charge, a reply under the following title appeared....*Letters to Dr. Horsley, in answer to his Animadversions on the History of the Corruptions of Christianity. With additional Evidence that the Primitive Christian Church was Unitarian.* Birmingham, 1783. A pretty

pretty large preface is prefixed to this piece, containing remarks on the state of the controversy, the influence it had had on the mind of the public, with an account of the changes that had taken place in the Author's religious opinions. The reply consists of an introduction, eight letters, a concluding one, and a postscript. In the introductory letter, our Author says, in answer to Dr. Horsley's assertion of his arguing in a circle, "Had I produced no other proof of the Unitarianism of the *scriptures*, besides that of the *primitive church*, and also no other proof of the Unitarianism of the primitive church, besides that of the scriptures, I should have argued in a circle. But you will find that I have been far from doing this.

"Is it not usual with all writers who wish to prove *two things*, which mutually prove each other, to observe that they *do* prove each other; and therefore, that whatever evidence can be alleged for either of them, is fully in point with respect to the other? Now this is all that I have done with respect to the Unitarianism of the scriptures, and of the primitive church, which prove each other; only that, in my history, I do not profess to enter into the separate proofs

proofs of the Unitarian doctrine from the scriptures."

In the first letter, our Author shews, in opposition to Dr. Horsley, that the Greek pronoun ουτος in the introduction to John's gospel may refer to any thing that is of the same gender in the Greek language, whether it be of a person or not. In proof of this sense of the pronoun, he quotes or refers to, various places in the New Testament. He maintains that the phrase *coming in the flesh*, as applied to Christ by John, 1 Ep. iv. 2. refers only to his being a real and true man, without any reference to a pre-existent state, and refers to other scriptural expressions as throwing light upon this phrase. He interprets a passage from Clemens Romanus differently from Dr. Horsley, and considers the epistles of Ignatius as of very doubtful authority. The second letter, treats of the distinction between the Ebionites and the Nazarenes. Here our Author quotes several passages from Epiphanius and Origen, to prove that the Ebionites and Nazarenes were agreed in sentiments with respect to the real humanity of Christ, some of which speak very plain to the point, particularly the following from Origen: "When

"you

" you consider what belief they, of the Jewish race,
" who believe in Jesus, entertain of their redeemer,
" some thinking that he took his being from Mary
" and Joseph, some indeed from Mary only and the
" Divine Spirit, but still without any belief of his di-
" vinity, you will understand," &c.

Dr. Horsley had before quoted this passage in his Appendix, and endeavoured to diminish the force of it. Our Author quotes his words, and subjoins his own remarks as follow, p. 21 : " That the Jew-
" ish converts were remarkably prone to the Ebion-
" æan heresy, from which the Gentile churches in
" general were pure, is the most," you say, p. 77,
" that can be concluded from this passage, strength-
" ened as it might be with another somewhat to the
" same purpose, in the commentaries upon St. John's
" gospel. But what if it were proved that the whole
" sect of the Nazarenes was absorbed in the Ebionæ-
" an heresy in the days of Origen ? What evidence
" would that afford of the identity of the Nazarenes
" and the Ebionites in earlier times ? And even that
" identity, if it were proved, what evidence would it
" afford, that the church of Jerusalem had been ori-
" ginally

" ginally Unitarian under her first bishops of the cir-
" cumcision ?"

" I answer, that if the Jewish christians were universally Ebionites in the time of Origen, the probability is, that they were even generally so in the time of the apostles; and that their heresy, as it is called, did exist in the time of the apostles, is abundantly evident. Whole bodies of men do not very soon change their opinions. And if, as you allow, the Jewish christians were distinguished by the name of Nazarenes (whom I think I have proved to be the same with the Ebionites, who all believed Christ to be a mere man) from the time that they were settled in the country beyond the sea of Galilee, you carry the opinions of the Ebionites, as universally held by the Jewish christians, to the very age of the apostles; for they retired into that country on the approach of the Jewish war, about which time the apostles went off the stage.

" Since all the Jewish christians were called Nazarenes or Ebionites, and all the writers that mention them speak of the doctrine of those sects *in general*, and not those *of their own time* in particular, as being that Christ was a mere man; the natural inference

is, that those sects, or the Jewish christians, did *in all times*, after they became so distinguished (which is allowed to have been just before, or presently after the destruction of Jerusalem) hold that doctrine. And supposing this to have been the case, is it not almost certain, that the apostles themselves must have taught it? Can it be supposed that the whole Jewish church should have abandoned the doctrine of the divinity of Christ, within so few years after the death of the apostles, if they had ever received it from them? As far as I yet see, Jewish christians who were not Nazarenes, or Ebionites, or Nazarenes who held any other doctrine concerning Christ than that he was a mere man, are unknown in history, and have no existence but in imagination."

In the third letter, our Author shews, that the primitive Unitarians were not considered as heretics. In opposition to Dr. Horsley, who denies the fact as asserted by Episcopius, he shews that this was not only the opinion of that writer, but also of Mosheim, who says, vol. i. p. 191, "However ready many may "have been to embrace this erroneous doctrine, it "does not appear that this sect formed to themselves "a separate place of worship, or removed themselves

"from

"from the ordinary assemblies of christians."
"But does it not also follow from the same fact, that these Unitarians were not expelled from christian societies by others, as they certainly would have been, if they had been considered as heretics? He shews by a quotation from the same Mosheim, that the Gnostics were in a different situation, and held separate assemblies from the church. He quotes several fathers to prove that heretics were in a state of separation from the church. He shews that Tertullian did not consider Unitarians as excluded from the name and assemblies of christians from what he says concerning the *apostles creed*, as the only proper standard of faith; for no article in that creed censures the opinions of the Unitarians but only those of the *Gnostics*, and it might have been subscribed in the time of Tertullian by any Unitarian who believed the miraculous conception." The Ebionites, being Jews, had little communication with the Gentiles, and therefore, of course, held separate assemblies; but the Alogi, who held the same doctrine among the Gentiles, had no separate assemblies, but worshipped along with other christians."

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Our Author observes, p. 33, "There is no instance, I believe, of any person having been excommunicated for being an Unitarian before Theodotus, by Victor bishop of Rome, the same that excommunicated all the eastern churches, because they would not celebrate Easter on the day that he prescribed. Whereas had the universal church been Unitarian from the beginning, would not the first Unitarians, the first broachers of a doctrine so exceedingly offensive to them, as in all ages it has ever been, have experienced their utmost indignation, and have been expelled from all christian societies with horror.

"What makes it more particularly evident, that the doctrine of the simple humanity of Christ was not thought deserving of excommunication in early times, is, that though the Ebionites were *anathematized*, as Jerom says; or excommunicated, it was not on account of their denying the doctrine of the divinity of Christ, but *only* on account of their rigid observance of the Mosaic law." Our Author takes notice of the alarm that the Trinitarian doctrine gave to Unitarian christians as it began to unfold itself, expressed by Tertullian by the strong words

expavescere

expavescere and *scandalizare*, and by Origen in words equally strong, as ταραστειν, &c. From these and other circumstances, he concludes that the Unitarians must have been the majority among christians, and that the fact of their remaining in the church, and not being expelled from it, cannot be explained otherwise.

The fourth letter treats of the inference that may be drawn from the passage of Athanasius, concerning the opinion of the early Jewish christians relating to Christ. Here he gives the passage at greater length, vindicates his former interpretation of it against the exceptions of Dr. Horsley, and shews that the believing Jews and christian Gentiles are chiefly, if not altogether intended in it, and that Beausobre and the Latin translator of Athanasius, both Trinitarians, had the same ideas of the passage as himself. He enters largely into the consideration of the passage, and infers from the general tenor and connections of it, that "it can hardly be doubted but that Athanasius himself must have considered the christian church in general as Unitarian, in the time of the apostles, at least till near the time of their dispersion and death." The following observation expressed

pressed in a note, p. 47, has a great deal of force in it. "According to Athanasius, the Jews were to be well grounded in the belief of Jesus being the Christ, before they could be taught the doctrine of his divinity. Now if we look into the book of Acts, we shall clearly see that they had not got beyond the first lesson in the apostolic age; the great burden of the preaching of the apostles being to persuade the Jews that *Jesus was the Christ.* That he was likewise *God,* they evidently left to their successors; who, indeed, did it most effectually, though it required a long course of time to do it." In corroboration of his argument, our Author produces some passages from Chrysostom, in which that Father ascribes the same cautious procedure to the apostles in divulging the divinity of Christ, that Athanasius had done before him.

Our Author justly remarks, p. 52, "I cannot help observing how extremely improbable is this account of the conduct of the apostles, given by Athanasius, Chrysostom, and other orthodox fathers of the church, considering what we know of the character and the instructions of the apostles. They were plain men, and little qualified to act the cautious

tious part here ascribed to them. And their instructions were certainly to teach all that they knew, even what their master communicated to them in the greatest privacy. Whereas, upon this scheme, they must have suffered numbers to die in ignorance of the most important truth in the gospel, lest, by divulging it too soon, the conversion of others should have been prevented. The case evidently was, that these fathers did not know how to account for the great prevalence of the Unitarian doctrine, among the Gentiles as well as the Jews, in the early ages of christianity, but upon such an hypothesis as this.....Let their successors do better if they can."

The fifth letter contains an argument for the late origin of the doctrine of the divinity of Christ, from the difficulty of tracing the time in which it was first divulged. Here our Author very properly requests Dr. Horsley's opinion with respect to the *time* when this great secret of Christ not being merely a man, but the eternal God himself, or the maker of heaven and earth under God, was communicated, first to the apostles themselves, and then by them to the body of christians. With this view he proposes several periods in the evangelical history, and the acts of the

apostles,

apostles, without being able to find any such discovery. "To answer the charge of holding *two* or *three Gods*, is a very considerable article in the writings of several of the ancient christian fathers. Why then do we find nothing of this kind in the age of the apostles? The only answer is, that there then was no occasion for it, the doctrine of the divinity of Christ not having been started." P. 62. He traces a striking resemblance between the character of the Ebionites, as given by the early christian fathers, and that of the Jewish christians at the time of Paul's last journey to Jerusalem. Acts xxi. 20, &c. "So great a resemblance in some things, viz. their attachment to the law, and their prejudices against Paul, cannot but lead us to imagine that they were the same in other respects also, both being equally zealous observers of the law, and equally strangers to the doctrine of the divinity of Christ. And in that age all the Jews were equally zealous for the great doctrine of the *unity of God*, and their *peculiar customs*. Can it be supposed then that they would so obstinately retain the one, and so readily abandon the other? These considerations (and much more might be added to enforce them) certainly affect the credi-

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bility of Christ having any nature superior to that of man; and when they are sufficiently attended to (as I suspect they never have been) must shake the Arian hypothesis; but they must be particularly embarrassing to those who, like you, maintain the perfect equality of the Son to the Father."

The sixth letter treats of the personification of the Logos. Under this article, our Author rectifies a mistake of Dr. Horsley's, who had misconceived his meaning. "Those platonizing christians, who personified the Logos, were not Arians; for their Logos was an attribute of the Father, and not any thing that was created of nothing, as the Arians held Christ to have been. It is well known, as Beausobre observes, that they were not Arians, but the orthodox, that platonized."

He shews that the passage in Athenagoras, which Dr. Horsley translated differently from him, does not affect his conclusion from it. "For he evidently asserts, that the Logos was eternal in God only, because God was always λογικος, *rational*, which entirely excludes proper personification. (See Athenagoras, p. 82.) Can reason, as it exists in man, be called a person, merely because man is a *rational*

 being?"

being?" He says that this is the only one of his authorities that Dr. Horsley has thought proper to examine, and that there are others which he has overlooked so plain and determinate, that it is impossible for him to interpret them otherwise than he has done; as they evidently imply that it depended upon the Father's will that the Logos should have a proper personification, and become a son, with respect to him." He calls upon him particularly to consider the passages he has quoted from Tertullian, which shews how ready the platonizing christians were to revert to the idea of an *attribute* of God in their use of the word Logos. He combats Dr. Horsley's assertion concerning the personal existence of the Logos from all eternity, as contrary to the plainest passages of the Fathers respecting the period of his generation. He charges Dr. Horsley with a total ignorance of what he had asserted, and says p. 72, "The Logos of the Platonists had, in their opinion, always had a personal existence, because Plato supposed creation to have been eternal; but this was not the opinion of the platonizing christians, who held that the world was not eternal; and therefore, retaining as much of platonism as was consistent with

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that doctrine, they held that there was a time when the Father was *alone*, and without a son; his Logos or reason being all that time the same thing in him that reason now is in man, and of this I have produced abundant evidence.

He produces a curious passage from Justin Martyr, by which it appears that it was the opinion of some in his time, "that the emission of the Logos, as a person, was an occasional thing, and intended to answer particular purposes only; after which it was absorbed into the divine essence again." This opinion our Author thinks probably preceded that of Justin Martyr, and paved the way for it. Concerning it, after quoting the passage, he has the following reflections: p. 75. "We see in this passage in how plausible a manner, and how little likely to alarm men of plain understandings, was the doctrine of the divinity of Christ, as it was first proposed. At first it was nothing more than the *divine power*, occasionally personified (a small step indeed, if any, from pure Unitarianism) and afterwards acquiring permanent personality; but still dependent upon the will of God, from whence it proceeded, and entirely subservient to him; which was very different from what is now

conceived

conceived concerning the second person in the Trinity."

The seventh letter contains considerations relating to the doctrine of the Trinity. Our Author here introduces remarks on Dr. Horsley's observations in defence of the Athanasian doctrine, implying a perfect equality in all the three persons. 1. He shews that Dr. Horsley's definition of the doctrine implies a direct contradiction. 2. That his explication of the derivation of the second person from the Father's contemplation of his own divine perfections, is absurd and impossible, but if it could be admitted, a multiplication of divinity without end would be the natural consequence. 3. He proves that the Father is *alone* God from his being the object of prayer, and from our Lord's always addressing him as such. 4. He shews the inutility of the doctrine of the Trinity, one divine person being fully adequate to every purpose that we can conceive. 5. He retorts Dr. Horsley's irony upon himself, and shews that the Socinian interpretations of scripture are the most natural, and agree best with the plainest affirmations of the sacred writers. 6. He says, "that there is nothing that can be called an account of the divine, or even

super-angelic

super-angelic nature of Christ in the gospels of Matthew, Mark or Luke; and allowing that there may be some colour for it in the introduction of the gospel of John, it is remarkable that there are many passages in his gospel which are decidedly in favour of his simple humanity." He urges strongly this powerful argument, that if the doctrine of the Trinity had been true, it would have been as explicitly declared as that of the Unity is. 7. He affirms, that the apostles could not have continued to call Christ a man simply, after they had been convinced that he was God, and yet they continue to do so in their writings to the last, even in *reasoning* and *argumentation*, without any caveat to prevent their meaning from being misunderstood. 8. If Christ had been God, or the maker of the world under God, he could never have said that *of himself he could do nothing*, that *the words which he spake were not his own*, and that *the Father within him did the works*, &c. 9. He makes light of Dr. Horsley's argument in favour of the Trinity, from some resemblance to it being found in the idolatry of the Heathens and Pagan philosophy, and his considering this in connection with what he imagines he finds in scripture on the subject,

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as the consent of the latest and earliest revelations. Our Author here puts the following three pertinent questions to his antagonist. "First, if there be so many traces of the doctrine of the Trinity in the heathen philosophy, and in the heathen worship, why are there no more of them to be found in the Jewish scriptures, and in the Jewish worship? Secondly, if there be such traces of the doctrine of the Trinity in the Jewish writings and worship, how came the Jews, in our Saviour's time, and also the body of the Jewish nation to this day, not to discover these traces? Thirdly, if the Jews had once been in the possession of this knowledge, but had lost it in the time of our Saviour, why did not he, who rectified other abuses, rectify this, the most important of them all?"

The eighth letter treats of miscellaneous articles. Our Author objects to Dr. Horsley's improved assertion, that the Ebionites held an unintelligible notion of the exaltation of the nature of Christ after his ascension, and worshipped him as if his nature had been originally divine, and that Theodotus so far surpassed them in his idea of the mere humanity of Christ, as to justify Eusebius in calling him the inventor of the doctrine, &c. He vindicates his translation

lation of a passage in Origen, in regard to the piety of the ancient Unitarians. He acknowledges two mistakes in translating passages from Theophilus, but maintains "that neither Theophilus, nor any person of his age, made a proper *trinity of persons in the Godhead;* for they had no idea of the perfect equality of the second and third persons to the first." He asserts, that the Fathers before the first council of Nice, held, in the most explicit manner, the superiority of the Father to the Son, and refers to the third section of his history for an unanswerable proof of it.

In the concluding letter, our Author refers to some illiberal reflections of Dr. Horsley on his manner of reasoning, his situation as a Dissenter, and Dr. Horsley's charging him with borrowing most of his arguments from Zuicker, whose writings, as they are exceedingly scarce, he had never seen.

The Postcript contains some extracts from Origen referred to in the letters, with notes and observations relating to the subject of them, with some larger articles, viz. The excommunication of Theodotus by Victor, Justin Martyr's account of the knowledge of some christians of low rank, a full and distinct dis-

cussion

cussion of the passage in Justin Martyr concerning the Unitarians of his time, of the first author of the doctrine of the permanent personality of the Logos, maxims of historical criticism, with a summary view of the evidence for the primitive christians having held the doctrine of the simple humanity of Christ, most ingeniously drawn up, mutually referring to one another, bringing all the material arguments under a clear and concise view, and exhibiting a criterion by which they ought to be tried: remarks on the article of the Monthly Review for September 1783, in answer to the Author's reply to some former animadversions in that work, before taken notice of.

About the same time (1783) our Author published, *A General View of the Arguments for the Unity of God, and against the Divinity and Pre-existence of Christ, from Reason, from the Scriptures, and from History.* Birmingham, 1783, Price *twopence.* In this valuable little Tract, the Author recites the distinct modifications of the doctrine of the Trinity, and shews that upon any of them there is either no proper *unity* in the divine nature, or no proper *trinity.* He shews from various considerations

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the extreme improbability of the Arian hypothesis. He alleges the most cogent scripture passages in favour of the unity of God and humanity of Christ, arranged under nine distinct heads, with suitable reflections arising from the consideration of them. The summary view of the evidence for the primitive christians having held the doctrine of the simple humanity of Christ, with the maxims of historical criticism by which the particular articles of the said summary may be tried, are here reprinted. This piece, therefore, may be considered as a miniature or compend of Dr. Priestley's ideas with respect to the subjects discussed in it, and from its cheapness and conciseness a very estimable present to those who have not leisure or ability to consult his large publications. It has been re-printed several times, and particularly by the Unitarian society in 1791, who republished it together with the *Appeal* and *Familiar Illustrations*, in one small volume, 12mo.

In the Monthly Review, an uncandid account was given of the *Letters* to Dr. Horsley, and Dr. Priestley was charged by the Reviewer with controversial disingenuity, and mutilating a passage of Justin Martyr quoted by him. This led our Author *once more* to

vindicate himself from the aspersions of the Reviewer, whose name had now been discovered, in a small Tract, entitled, *Remarks on the Monthly Review of the Letters to Dr. Horsley; in which the Rev. Mr. Badcock, the Writer of that Review, is called upon to defend what he has advanced in it.* Birmingham, 1784. Our Author shews in his reply to Mr. Badcock, that the words omitted had no relation to the subject for which the passage was quoted, and that they were omitted merely to save himself the trouble of writing so much Greek unnecessarily *. He also points out a gross mistake in Mr. Badcock's translation of the passage. The rest of the Pamphlet treats of the creed of Tertullian, and some miscellaneous articles relating to the controversy.

Notwithstanding our Author's attention was so closely engaged in defending his History of the Corruptions of Christianity, and in making preparations for a large and new work respecting the state of early opinions concerning Christ, he found leisure at this

* It appeared afterwards, and was taken notice of by Dr. Priestley himself, that the passage was really quoted in Greek, and omitted only in the English translation.

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time for the publication of an excellent devotional composition, entitled, *Forms of Prayer, and other Offices, for the use of Unitarian Societies.* Birmingham, 1783. Besides proper forms for the morning and evening service of the Lord's day, he has here given offices for infant and adult baptism, a form for the celebration of the Lord's supper, addresses to the communicants for a second and third service, a funeral service, prayers for a fast day, an introductory prayer on a day of public thanksgiving, a prayer respecting the present state of Christianity to be used in the morning of Easter Sunday. The Author's object in this publication was to enable Unitarian christians to conduct all the parts of public worship themselves, when deprived of the advantage of a learned ministry, and in the preface and introduction, the most cogent arguments are offered for the necessity of forming such Unitarian societies, and directions given for managing all the different services with propriety and to general edification.

At a pretty advanced period of the year 1784, Dr. Horsley published an answer to our Author's letters addressed to him, entitled, *Letters from the Archdeacon of St. Albans, in reply to Dr. Priestley;*

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with an Appendix, containing short Strictures on Dr. Priestley's Letters, by an unknown hand. In these letters he declines a regular controversy with Dr. Priestley respecting the doctrine of the Trinity, cavils at some parts of our Author's history which he had passed unnoticed before, and recapitulates the objections contained in his charge. He denies that the clear sense of scripture is in favour of the Unitarians, and insists that Dr. Priestley argues in a circle. He refers to a letter signed *Perhaps* in his Appendix, for an explanation of the word *ουτος*, in which, after much shuffling, he is obliged to grant that it may be rendered differently from what he has done, though he still thinks his own the most proper translation. He attempts to confute our Author's sense of the phrase *to come in the flesh*, defends his own interpretation of Clemens Romanus, and asserts that the shorter epistles of Ignatius are genuine. He maintains the *difference* between the Ebionites and Nazarenes, criticises some passages of Epiphanius, translates them differently from Dr. Priestley, and asserts that the Nazarenes were no sect of the apostolic age, and that Ebion was not contemporary with St. John. He differs from Dr. Priestley in the interpretation of

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two passages of Origen, but being aware that his own explication might not stand good, he at last taxes the veracity of Origen, and quotes a passage from Mosheim as follows: "I would not believe this witness upon his oath, vending, as he manifestly does, such flimsy lies." He attempts to controvert Dr. Priestley's maxim, that "whole bodies of men do not soon change their opinion," by appealing to the Dissenters, the whole body of whom formerly, he says, "took their standard of orthodoxy from the opinions of Calvin;" but he adds, "where shall we now find a Dissenter, except perhaps among the dregs of Methodism, who would not think it an affront to be taken for a Calvinist?" He appeals to the epistle of Barnabas as a positive proof that our Lord's divinity was the belief of the very first Christians. Resting the proof of the orthodoxy of the first age upon the epistle of Barnabas, he affirms that Dr. Priestley's two arguments from Hegesippus and Justin Martyr, are overturned. He attempts to combat the testimony of Tertullian in favour of the prevalence of Unitarianism among the lower and unlearned classes of people in his time: and though he cannot help admitting that there is some little foundation for such

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an inference, yet he attempts by a forced and unnatural construction, and an unfair paraphrase of the words of Tertullian, to abate and enervate their obvious and genuine meaning. He pretends that Dr. Priestley's arguments from Tertullian, Justin Martyr, and Irenæus, to prove that the primitive Unitarians were not heretics, have been confuted by the Monthly Reviewers, and attempts to shew the deficiency of Dr. Priestley's reply, and also to confute his arguments from Clemens Alexandrinus and Jerome. He considers the passage from Athanasius, and endeavours to prove that he speaks of unconverted Jews. He asserts that the divinity of Jesus was acknowledged by the apostles from the time when they acknowledged him for the Messiah. He refers to two places of the gospel as a proof of this assertion, John i. 49, when Nathaniel exclaimed, *Rabbi*, thou art the son of God! thou art the king of Israel, and Luke v. 8, when, after the miraculous draught of fishes it is said of Peter, *he fell down at the knee of Jesus, saying, depart from me, for I am a sinful man, O Lord.* He affirms, that the divinity of Christ was preached from the very beginning by the apostles, that Stephen died a martyr to this doctrine, that his

his dying ejaculations justify the worship of Christ, that the story of Paul's conversion is another instance of an early preaching of our Lord's divinity, in which Jesus is deified in the highest terms, and that notions of a Trinity, and of the deity of the Messiah, were current among the Jews in the days of our Saviour. He charges Dr. Priestley with a misrepresentation of the Platonic language, denies that the conversion of an attribute into a person was ever taught by the Fathers, and rejects a passage quoted by our Author from Tertullian, and another from Lactantius, as sufficient proofs of the assertion. He attempts a defence of his two suppositions, that the first Ebionites worshipped Christ, and that Theodotus was the first person who taught the Unitarian doctrine at Rome.

Adhering to his declaration not to enter into a regular controversy on the subject of the Trinity, Dr. Horsley gives only a general reply to some parts of Dr. Priestley's seventh letter. Far from entering into the real merits of the question, by meeting his opponent on equal ground, and shewing that the notion of a Trinity in unity implies no contradiction, he takes it for granted that it falls short of a contradiction,

diction, and only contains some difficulties in it that transcend the reach of human understanding. With respect to the article of worship, and the example of our Saviour, he weakly says, that "our Saviour, as a man, owed worship to the Father," and produces the example of Stephen as a sufficient authority to authorize the worship of Christ. He gives insufficient answers to plain passages of scripture alleged by Dr. Priestley, and passes by others altogether. He covers himself with impenetrable mystery, and refers to the Parmenides of Plato for a solution of difficulties. He maintains, however, that what he calls the Catholic faith is supported by the general tenor of the sacred writings, but brings no proof of the truth of this assertion from the scriptures, though he quotes Bishops Bull and Pearson, and Dr. Waterland, for a proper definition of the doctrine of the Trinity, in opposition to an assertion made by Dr. Priestley. He thinks the Unitarian doctrine not well calculated for the conversion of Jews, Mahometans, or Infidels, and, concealing the real state of the case, has put together some unfounded or precarious reasonings of his own to give a colour to the assertion. In conclusion, he gives an account of the progress of his mind

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in forming his religious principles that does not appear very probable, and in the true spirit of a high churchman, intimates the necessity of a priesthood derived by regular succession from the apostles, and passes a censure upon all voluntary associations of christians who dissent from it. The Short Strictures by an unknown hand, in the Appendix, contain some petty cavils of little moment.

In about three months after the publication of Dr. Horsley's letters, a reply on the part of Dr. Priestley appeared, entitled, *Letters to Dr. Horsley, Part II. containing farther Evidence that the Primitive Christian Church was Unitarian.* Birmingham, 1784. In the Preface, which treats of various matters, our Author takes notice of the *Clementines*, "which though properly a *theological romance*, is a fine composition of its kind." Our Author thinks it was written about the time of Justin Martyr, and among other observations concerning it, has the following remark: "Now this writer, whose knowledge of the state of opinions in his time cannot be questioned, would hardly have represented Peter and Clement as Unitarians, if he had not thought them to be such. Nay, it may be inferred from the view that

he has given of their principles, that supposing the doctrine of the Trinity to have existed in his time, yet that Peter, Clement, and consequently the great body of christians in the apostolic age, were generally thought to have been Unitarians, as he must have imagined that this circumstance would contribute to the credibility of his narrative."

Our Author, in the beginning of his work, states Dr. Horsley's opinion, and his own contrasted with it, under seventeen different heads, in order to enable his readers to form a clear and comprehensive idea of the *nature* and *extent* of the controversy.

The reply consists of nineteen letters. After an introductory one, our Author, in the second letter, treats of Dr. Horsley's *positive proof*, from the epistle of Barnabas, "that the divinity of our Lord was the belief of the very first christians." He observes, "I am surprised, sir, at the extreme confidence with which you treat this very precarious and uncertain ground; when, to say nothing of the doubts entertained by many learned men concerning the genuineness of this epistle, the most that is possible to be admitted is, that it is genuine *in the main*. For, whether you may have observed it or not, it is most evi-

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dently *interpolated*, and the interpolations respect the very subject of which we treat. Two passages in the Greek, which assert the pre-existence of Christ, are omitted in the ancient Latin version of it. And can it be supposed that this version was made in an age in which such an omission was likely to be made?" After quoting the passages in proof of what he has asserted, our Author adds, "The passage on which you lay the chief stress is only in the Latin version, that part of the Greek copy to which it corresponds being now lost; and all the other expressions that you note, are such as an Unitarian will find no difficulty in accommodating to his principles. Can it be thought at all improbable, that if one person interpolated the Greek, another should make as free with the Latin version. Our Author considers the passage from Clemens Romanus at considerable length, and shews that it has no relation to a state of pre-existence, and that so far from proving that Christ was God, it implies the contrary. He thinks the epistles of Ignatius interpolated in the very place that Dr. Horsley refers to, and that the true sense of Dr. Lardner's words, quoted by Dr. Horsley, refers to such an interpolation.

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In the third letter, he produces two additional passages from Epiphanius, to prove that the Nazarenes held the proper humanity of Christ as well as the Ebionites, and that both these sects, in the opinion of that writer, existed at the time John wrote his gospel. He also produces a passage from Jerom, in which he asserts, that "the doctrine of the Ebionites was then rising, who said that Christ had no being before he was born of Mary." Our Author adds, "This is only one out of many authorities that I could produce for this purpose, and it is not possible to produce any to the contrary." Dr. Horsley had said (p. 27) "As a certain proof that the Ebionites and Nazarenes were two distinct sects, Mosheim observes, that each had its own gospel." In reply, our Author alleges the authority of Mr. Jeremiah Jones, backed by that of Mosheim's translator, to prove, that the gospel of each was the same, and what is of more consequence the opinion of Jerom, who says, "in the gospel used by the Nazarenes and Ebionites, which is commonly called the authentic gospel of Matthew, which I lately translated from Hebrew into Greek," &c. He proves in opposition to Dr. Horsley, p. 22, 23, that the Ebionites did not deny

deny the authority of the prophetical and other books of the Old Testament, and consequently that it is no proof that Hegesippus was not an Ebionite, because he cites the proverbs of Solomon. He says very properly, p. 23, "It is an argument in favour of the identity of the Nazarenes and Ebionites, that the former are not mentioned *by name* by any writer who likewise speaks of the Ebionites before Epiphanius, though the people so called afterwards were certainly known before his time. The term *Ebionites* occurs in Irenæus, Tertullian, Origen, and Eusebius; but none of them make any mention of *Nazarenes*; and yet it cannot be denied, that they must have been even more considerable in the time of these writers, than they were afterwards; for, together with the Ebionites (if there was any difference between them) they dwindled away, till, in the time of Austin, they were *admodum pauci*, very few. Origen must have meant to include those who were called Nazarenes under the appellation of Ebionites, because he speaks of the Ebionites as being the whole body of Jewish christians; and the Nazarenes were christian Jews as well as they. Jerom seems to use the two terms promiscuously; and in the passage of his letter to Austin,

tin, so often quoted in this controversy, I cannot help thinking he makes them to be the same."

Our Author affirms that Dr. Horsley cannot produce any evidence that Theodotus was considered in a worse light by the ancients than by the Ebionites, and thinks his notion of the Ebionites having held an unintelligible exaltation of the mere human nature of Christ after his resurrection, the most improbable of all suppositions. He quotes Epiphanius to prove, in opposition to Dr. Horsley, that the Nazarenes took their rise as a sect after the destruction of Jerusalem by Titus, and considers the passage from Jerom as sufficiently clear to prove, that they were the same people as the Ebionites, and apprehends that it cannot be inferred from Austin's answer to Jerom, that there was any material difference between them. He examines the writings of Grotius as the most respectable of the modern authorities alleged by Dr. Horsley, and quotes a passage from him which contains nothing favourable to Dr. Horsley's sentiments, but afterwards in his Appendix, p. 217, he explains himself farther on the subject, and gives his opinion respecting the sentiments of Grotius, and the little stress that ought to be laid on a passage quoted by

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that Author from Sulpitius Severus respecting the Nazarenes. He points out Dr. Horsley's egregious mistakes in asserting that the generality of the Dissenters had departed from their attachment to Calvinism, and observes that "as they were universally Calvinists at the time of the Reformation, they are very generally so still. The ministers, as might be expected, are the most enlightened, and have introduced some reformation among the common people; but a majority of the ministers are, I believe, still Calvinists."

The fourth letter treats of the supposed orthodox church of Jerusalem, and of the veracity of Origen. Our Author finds no evidence for the existence of such a church of Jewish christians, and considers what Mosheim and Dr. Horsley have advanced on this subject as a mere fiction uncountenanced by any ancient authority: the passage referred to by Mosheim in his ecclesiastical history from Sulpitius Severus not authorising the conclusion. Now though the testimony of that writer were to the purpose, can his authority be compared to that of Origen, when he lived two hundred years later, and at a remote distance from Palestine. Our Author quotes Tillemont

mont and Fleury, whose views of this historical fact coincide with his own; defends the veracity of Origen, and intimates that unless Dr. Horsley can make a better apology for himself, than he is able to suggest, he will be considered by impartial persons as a *falsifier of history*, and a *defamer of the character of the dead.*

In the fifth letter, which relates to heresy in the earliest times, our Author re-considers and defends his former interpretation of the phrase *coming in the flesh*, used by the apostle John with respect to Christ. He observes as follows, p. 48. "You say, p. 27, "The attempt to assign a reason why the Redeemer "should be a man, implies both that he might have "been, without partaking of the human nature, and "by consequence, that in his own proper nature he "was originally something different from man; and "that there might have been an expectation that he "would make his appearance in some form above "the human." But it is certainly quite sufficient to account for the apostle's using that phrase *coming in the flesh*, that in his time there actually existed an opinion that Christ was not truly a man, but was a being of a higher order, which was precisely the doctrine

doctrine of the Gnostics. That before the appearance of the Messiah, any persons expected that he would, or might come, in a person above the human, I absolutely deny."

"A reason," you say, p. 27, "why a man should be a man, one would not expect in a sober man's discourse." But certainly, it was very proper to give a reason why one who was not thought to be properly a man, was really so; which is what the apostle has done. He quotes a passage from Polycarp to prove, that the phrase *coming in the flesh*, is descriptive of the Gnostic heresy only, and not of the Unitarian doctrine also, and recites another from Ignatius, in which he appears to have had the Gnostics in his eye as the only heretics. He finds no reference to the Ebionites in the epistles of Ignatius, except perhaps in the passages which he supposes to have been altered, and produces three other places which are unfavourable to the doctrine of the divinity of Christ.

In the sixth letter, he reviews the sentiments of Justin Martyr, Irenæus, and Clemens Alexandrius, concerning heresy, and considers their censures of it

as applicable to the Gnostics, and not to the Unitarians.

The seventh letter gives an account of the state of heresy in the time of Tertullian. In this our Author re-considers at large, the famous passage from that writer relating to the *Idiotæ*, or common unlearned people: the *major pars credentium*, or majority of believers, who held fast to the rule of faith concerning one God, and shuddered at the *œconomy*, or doctrine of the Trinity, when proposed to them. He confutes, in a clear and masterly manner, the sophistry and false comments of Dr. Horsley on the passage, and proves that it plainly asserts, that a very great majority of the unlearned body of Christians in Tertullian's time were Unitarians.

In the eighth letter, Origen's idea of heresy is examined, and several passages from him are produced, to prove that the doctrine of the *Logos*, in the orthodox sense, was not received or understood by the multitude of Christians, who "knew nothing but Jesus Christ and him crucified." Our Author concludes this letter as follows, p. 78, "From all these passages, and others quoted before, especially the *major pars credentium* of Tertullian, I cannot help inferring,

inferring, that the doctrine of Christ being any thing more than a man, who was crucified and rose from the dead (the whole doctrine of the incarnation of the eternal Logos, that was in God, and that was God) was considered as a mere abstruse and refined doctrine, with which there was no occasion to trouble the common people; and it is evident that this class of christians was much staggered by it, and offended when they did hear of it. This could never have been the case if it had been supposed to be the doctrine of the apostles, and to have been delivered by them as the most essential article of christian faith, in which light it is now represented. Such terms as *scandalizare*, *expavescere*, &c. used by Tertullian, and ταρασσειν, by Origen, can only apply to the case of some novel and alarming doctrine, something that men had not been accustomed to. In the language of Origen, it had been the *corporeal gospel* only, and not this *spiritual* and *mysterious* one that they had been taught."

In the ninth letter, various passages are produced from Athanasius, Cyril of Jerusalem, Basil and Facundus, to shew that Unitarianism prevailed, particularly

cularly among the common people, in a greater or less degree till the fifth and sixth centuries.

In the tenth letter, our Author shews that it was not merely the opinion of Athanasius, that the apostles used caution or prudential reserve in communicating the doctrine of the divinity of Christ, but that Chrysostom and other Fathers, in several passages which he quotes, represent them as acting in a similar manner; and he justly infers from these acknowledgments, that even in the opinion of these Fathers, at the time of the publication of the gospels, the Christian church was principally Unitarian, believing only the simple humanity of Christ, and knowing nothing of his divinity or pre-existence. From the state of the case as here represented, our Author reasons as follows, p. 101. "From the acknowledgment which these orthodox Fathers could not help virtually making (for certainly they would not do it unnecessarily any more than yourself) that there were great numbers of proper Unitarians in the age of the apostles; it seems not unreasonable to conclude, that there were great numbers of them in the age immediately following, and in their own, and their knowledge of this might be an additional reason for the opinion

opinion that they appear to have formed of that prevalence in the apostolic age. Would those Fathers have granted to their enemies spontaneously, and contrary to truth, that the Jews were strongly prepossessed against the doctrine of the divinity of Christ, and that the Unitarians were a formidable body of Christians while the apostles were living, if it had been in their power to have denied the facts? The consequence of making these acknowledgments is but too obvious, and must have appeared so to them, as well as it now does to you, which makes you so unwilling to make it after them."

In the eleventh letter, in opposition to Dr. Horsley's assertion, that "the Jews in Christ's days had notions of a Trinity in the divine nature," our Author affirms, that it is clearly supposed by Justin Martyr, and all the Christian Fathers, that the Jews expected only a man for their Messiah. He appeals to the gospels as containing a full confutation of Dr. Horsley's opinion." P. 105. "Inform me then, if you can, how our Saviour could possibly, on your idea, have puzzled the Jewish doctors, as he did, reducing them to absolute silence, by asking them how David could call the Messiah his Lord, when he was his

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son or descendant. For if they had themselves been fully persuaded, as you suppose, that the Messiah, though carnally descended from David, was in fact the maker and the God of David, and of them all, a very satisfactory answer was pretty obvious." He produces the opinion of the learned Basnage, p. 121, as decidedly against Dr. Horsley on this subject. He considers the passages (one excepted) quoted by Dr. Horsley from the gospels and acts of the apostles in proof of the divinity of Christ, and shews that they are nothing to the purpose. The passage he has omitted is the appearance of our Lord to Saul in his way to Damascus, attended by a light exceeding the brightness of the sun at mid-day, thrice mentioned in the book of Acts. This history, however, carries a sufficient refutation in it to all that Dr. Horsley would infer from it; for our Lord replies to Saul in answer to his question, *I am Jesus of Nazareth, whom thou persecutest.* Acts xxii. 8. A proof of true and proper humanity, but by no means of divinity.

In the twelfth letter, our Author defends his assertion, that the platonizing Fathers held the notion of the conversion of the Logos from an attribute into a person,

a person, and asserts that Dr. Horsley's pretence that they only meant a *display of powers*, or *projection of energies*, is without foundation in their writings.

The thirteenth letter contains considerations relating to the doctrine of the Trinity, in which for the little that Dr. Horsley has explained himself on the subject, our Author has confuted him well, and demonstrated the absurdity and inconsistency of his notions. As a proof that the scriptures contain the clearest declarations of the divine Unity, he refers Dr. Horsley to 1 Tim. ii. 5. 1 Cor. viii. 6. John xvii. 3. quoted by him at full length in his former letters, but remaining unnoticed by Dr. Horsley.

The fourteenth letter treats of Prayer to Christ. Here our Author shews, contrary to Dr. Horsley's assertion, from various examples in scripture, and that of Polycarp at his martyrdom, that the Father is the great object of prayer in the time of persecution, as well as at other seasons.

In the fifteenth letter, a refutation is given of what Dr. Horsley has advanced with respect to the influence of Unitarian principles in preventing the conversion of Mahometans and Infidels.

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In the sixteenth letter, Bishop Bull is shewn to have been a defender of damnatory clauses in creeds, and a man of a harsh uncharitable spirit towards Arians and Unitarians.

In the seventeenth letter, the representation that Dr. Horsley has given of the state of Dissenters is considered, with reflections on the penal laws to which the Unitarians are subject.

In the eighteenth letter, our Author vindicates himself from the charge of wilful misrepresentation, and other uncandid insinuations brought against him by his opponents in controversy.

The nineteenth and last letter, treats of various miscellaneous articles, in the first of which our Author acknowledges a small inaccuracy in stating the opinion of Valesius, with respect to the loss of the writings of Hegesippus. What our Author affirmed may however be probably inferred, and it is not unlikely that Valerius might have had it in view, though he has not expressly asserted it. An Appendix follows containing some amendments and additions to the letters.

Dr. Horsley had intimated, in the first of his letters to Dr. Priestley, his intention of appearing no more

more in the controversy. But after an interval of eighteen months, he feels himself disposed to resume his pen, and enter again the field of disputation. This pamphlet appeared under the following title, *Remarks upon Dr. Priestley's second Letter to the Archdeacon of St. Albans, with Proofs of certain Facts asserted by the Archdeacon.* London, 1786.

After several sarcastic remarks upon some parts of Dr. Priestley's second letters, accompanied with many airs of self sufficiency and much unmeaning declamation, he proceeds to the relief of the forlorn church of orthodox Jewish Christians at Jerusalem after the time of Adrian, and to repair its foundations which had been too feebly laid in his former attempts to build it. As a necessary step towards the erection of this fabric, the character of Origen must, at all hazards, be run down, and his veracity called in question. He scruples not to say, p. 24, "that in the particular matter in question Origen asserted a known falsehood." To make good this charge against Origen, he quotes a passage from his second book against Celsus, in which, according to his own exposition of it, Origen seems to distinguish three different kinds of Jewish christians, some who had

relinquished the old customs of their ancestors, and two others who retained them, though with different views of their value and necessity, contrary to his former assertion in the same book, in which he avers, "that the Hebrew christians in his time had not abandoned their ancient laws and customs; and that they were all called Ebionites." He farther pretends, that in the next sentence, Origen gives us to understand, though more indirectly, that of these three sorts of Hebrews professing Christianity, those only who had laid aside the use of the Mosaic law, were in his time considered as true Christians. He appears willing also to accuse Origen of prevarication and unfair dealing in his criticism upon the word עלמה, in the same book against Celsus. He affirms, that Epiphanius asserts, "that the Hebrew Christians, after Adrian's settlement of the Ælian colony, returned from Pella, whither they had retired from the distresses of the war, to Ælia. He says he holds the testimony of Origen too cheap to avail himself of his triple division of the Hebrew Christians, to prove the existence of the orthodox sect in his time; and appeals to a passage in Jerom's commentary upon Isaiah, where, in his apprehension, Jerom makes a distinction

distinction between *Hebrews believing in Christ*, and the Nazarenes. He quotes a passage from Orosius, in which that writer says, that the Jews were forbidden to enter Jerusalem, but Christians were permitted to enter it, and from a rescript of Adrian preserved by Justin Martyr in his apology, he infers, that that emperor was not unfavourable to Christians. Resting upon these passages, joined to various glosses of his own upon several Fathers, and various conjectures and suppositions, he thinks he has found sufficient evidence for the existence of a church of orthodox Jewish Christians at Ælia, alias Jerusalem, after the expulsion of the Jews by Adrian, and glories not a little on that account. He pretends that there were five classes of Jewish Christians. Jerom's Hebrews believing in Christ, who were orthodox, and had laid aside the use of the Mosaic law. Two kinds of Nazarenes, both orthodox, and retaining the use of that law, the one of which were less bigoted in their attachment to it than the other. Two sorts of Ebionites denying our Lord's divinity, the one admitting and the other rejecting the miraculous conception. Cheap as he pretends to hold the authority of Origen, he endeavours to avail himself of

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that authority (p. 60, 61) in making out these distinctions. He attempts to prove his former assertion of the decline of Calvinism among the Dissenters from different facts and circumstances that occurred at the meetings of their ministers in the years 1772 and 1773, when they petitioned parliament for a redress of their grievances. He treats of the doctrines of Calvin, and of the Methodists, and concludes with invectives against Dr. Priestley and his writings. Upon the whole, his pamphlet is a very insufficient reply to Dr. Priestley's second set of letters, and several things of importance are passed over without any notice at all.

A reply on the part of Dr. Priestley soon made its appearance, entitled, *Letters to Dr. Horsley, Part III. containing an Answer to his Remarks on Letters, Part II. To which are added, Strictures on Mr. Howe's Ninth Number of Observations on Books ancient and modern.* Birmingham, 1786.

This reply consists of six letters. The first is merely introductory. In the second letter, which respects the veracity of Origen, our Author insists on the general good character of that ancient writer, and the high improbability of his having given a false

false testimony in the case of the Ebionites. He observes, p. 6, "Had the testimony of Origen to the Unitarianism of the great body of Jewish Christians not been well founded, it was greatly the purpose of many of the early writers (and particularly of Eusebius, who maintained the novelty of the Unitarian doctrine) to have refuted it. But neither Eusebius, nor any other ancient writer, the most zealous for orthodoxy, and the most hostile to Origen on other accounts, has attempted it. Might it not have been expected of Eusebius in particular, that after he had copied Origen's account of the Ebionites, by dividing them into two classes, just as he had done (viz. some of them believing the miraculous conception, and others not) he would have added that, notwithstanding what Origen had said to the contrary, many of them had abandoned the law of Moses, and were believers in the divinity of Christ? But he has not done any such thing. He therefore must have known that he could not do it, and he was not disposed to tell a wilful lie in the case. Indeed, I am willing to think, that few persons are so abandoned as to be capable of doing this." After suggesting some other arguments in favour of the credibility of the

the testimony of Origen respecting the Ebionites, he quotes the passage at full length, in which Dr. Horsley endeavours to confute him from his own writings, and make his evidence appear contradictory, and has the following remarks upon it.

P. 9. "This contains the whole of your curious reasoning, in which you suppose that Origen, in treating of the same subject, and in continuation of the same argument, has given you this pretence for impeaching his veracity as you have done. But surely this writer, who must have known his own meaning, could not have imagined that he had really contradicted himself in two passages, not in different works, written at different times, or in distant parts of the same work (in which he might have forgotten what he had said in one of the passages, when he was writing the other) but in the same work, the same part of the work, and in paragraphs so very near to each other. And I believe no body before yourself, ever imagined that there was any contradiction in them at all.

"In the former he asserts, in general terms, without making any particular exception, that the Jewish Christians adhered to the customs of their ancestors,

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and in the latter, which almost immediately follows it, he says that his adversary, who had asserted the contrary, would have said what was more *plausible* (not what was *true*) if he had said that some of them had relinquished their ancient customs, while the rest adhered to them; alluding, perhaps, to a few who had abandoned those customs, while the great body of them had not, which is sufficiently consistent with what he had said before. For inconsiderable exceptions are not regarded in general assertions. It would have been very extraordinary indeed, if *no* Jewish christians whatever had abandoned the rites of their former religion, when, in all ages, some Jews, whether they became christians or not, have done so."

After reasoning farther and to good purpose in this way, he refutes p. 11, 12, 13, what Dr. Horsley says Origen gives us to understand, though more indirectly, that of these three sorts of Hebrews professing christianity, they only who had laid aside the use of the Mosaic law, were in his time considered as true christians. He observes, that the most natural construction of the passage is, that Origen says, "It is no wonder that Celsus should

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" be so ignorant of what he was treating when he " classed the Gnostics along with Christians, and did " not even know that there were Israelites who pro- " fessed Christianity, and adhered to the laws of " Moses." He shews p. 13, 14, that the other charge of prevarication brought against Origen in regard to the meaning of a Hebrew word before mentioned, is a mere cavil.

The second letter contains general observations relating to the supposed orthodox church of Jewish christians at Jerusalem, after the time of Adrian. Here our Author assigns five good reasons against the existence of such a church, considers the words of Sulpitius Severus as unfavourable to Dr. Horsley's ideas on the subject, and that even those of Orosius will not authorize his conclusions. He appeals to Eusebius, the oldest writer, who mentions the fact, who says, that after the taking of the city by Adrian, the whole nation of the Jews (πᾶν ἔθνος, which excludes all distinction with respect to religion) were forbidden even to see the desolation of their metropolis at a distance. He calls in question Dr. Horsley's assertion, that Adrian was not unfavourable to Christians, and after some observations

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on the subject, he adds, p. 20, "There is, therefore, little reason to think that Adrian was so well disposed to Christianity, as to permit the rebellious Jews to remain in Jerusalem on condition of their embracing it."

In the third letter, he considers the testimony of Epiphanius to the existence of a church of orthodox Jewish Christians at Jerusalem after the time of Adrian. He translates the whole passage, which Dr. Horsley had only imperfectly quoted in English, and it appears from it, compared with the Greek original inserted below, that the return of the Jewish Christians from Pella, mentioned in it, is that return which followed the destruction of Jerusalem by Titus, and therefore the passage is nothing to the purpose for which Dr. Horsley has alleged it: for it cannot be proved from it that these returned Jewish Christians remained at Jerusalem after the expulsion of their nation in general from that city by Adrian. Our Author concludes this letter in these words: "On which side then is the *ignorance*, I say nothing of the *fraud*, of which you suspect me in this business? You must, Sir, dig deeper than you have yet done, for the foundation of this favourite church."

The fourth letter respects the evidence from Jerom in favour of the church before mentioned. Our Author gives the passage at full length in Latin and English, shews the inconsistency of Dr. Horsley's reasoning from it, and thinks, that according to the most probable construction of it, the *Hebrews believing in Christ*, and *the Nazarenes* were the same. But he says, p. 30. 2. "Admitting that Jerom alluded to some difference between the *Hebrews believing in Christ* and *the Nazarenes*, it is far from following, that the former were *completely orthodox*, and the latter not. For the phrase *believing in Christ* is applied by Origen and Jerom to the heretical Jewish Christians.....All the difference between these two descriptions of Jewish Christians that Jerom can be supposed to allude to, is such an one as Origen made of two sorts of Ebionites, viz. one who believed the miraculous conception, and the other who disbelieved it; or that of Justin, viz. of those who would hold communion with the Gentile Christians, and those who would not."

3. "Allowing both that the *Hebrews believing in Christ* and the Nazarenes were different people, and that the former were completely orthodox, it will not

not follow that there was a church of them at Jerusalem, which is the thing that you contend for."

He considers another passage in Jerom from which Dr. Horsley would infer that some Nazarenes held the doctrine of our Lord's divinity, and acknowledged in Christ the Lord of Hosts of the Old Testament; and shews that the inference is not made by Jerom, nor fairly drawn from his words.

Our Author concludes this article in the following words: "Thus I have considered all the evidence, positive or presumptive, that you have produced for the existence of a church of orthodox Jewish christians at Jerusalem after the time of Adrian. I have particularly considered your five quotations from ancient writers, and do not find that so much as one of them is at all to your purpose. Thus again ends this church of orthodox Jewish Christians at Jerusalem, planted by Mosheim, and destroyed by the too copious watering of the Archdeacon of St. Albans."

The fifth letter contains a few observations on Dr. Horsley's sermon on the miraculous conception.

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The sixth and last letter respects miscellaneous articles. Our Author maintains his former assertion concerning the prevalence of Calvinism among a great majority of the Dissenters; and in a N. B. subjoined to his preface, he mentions that he hears the subject will be considered by a person who is exceedingly well qualified to inform the public concerning it, and to explain the cause of Dr. Horsley's very gross and palpable mistake. He touches briefly some points of the controversy, and replies to Dr. Horsley's invective against his principles and writings. In the Remarks on Mr. Howe's Ninth Number, our Author replies to that writer who had attempted to prove that the body of the Jews expected a God in their Messiah.

Some time before this third set of letters to Dr. Horsley appeared, our Author had published his large important work, entitled, *An History of Early Opinions concerning Jesus Christ, compiled from original writers; proving that the Christian Church was at first Unitarian.* Birmingham, 4 vols. 8vo. 1786.

In this work, Dr. Priestley has accomplished more than any Unitarian writer had performed before

fore him. It was the object of Whiston, Clarke, and Whitby, and others of like sentiments, to establish the Arian or Semi-arian hypothesis. Little information could therefore be expected from them concerning the corruption of the first simple scheme of Christianity, and the state of Unitarianism in early times. Faustus Socinus, Crellius, and the Polish Unitarians were men of eminent abilities, well versed in sacred criticism, and maintained and defended the Unitarian cause with great skill and dexterity by arguments of reason and scripture, against a numerous host of adversaries, when almost the whole world was in opposition to them. The English Unitarian writers about the time of the revolution, and in the reign of King William, made a conspicuous figure, and left writings behind them which will be long highly prized by those who agree with them in opinion.

Few of these writers, however, either in Great-Britain or on the Continent, turned their attention particularly to the state of things in ecclesiastical antiquity. Zuicker, the ingenious author of *Platonism Unveiled*, a work written originally in French; and an anonymous writer who replied to Bishop Bull's

Defensio

Defensio Fidei Nicenæ, are among the chief of those who have done any thing remarkable in this way. These three writers were no strangers to the *Ebionites* and *Nazarenes* among the Jews, or the *Alogi* among the Gentiles, and have urged some arguments in favour of early Unitarianism with peculiar force. They were not, however, master of the whole mass of evidence on the subject, and probably had never undertaken the laborious task of perusing the whole body of Fathers for four or five centuries after Christ, with a view to throw light on the subject.

At the time Dr. Priestley wrote his History of the Corruptions of Christianity, his knowledge of the subject was not perhaps a great deal superior to that of preceding writers. The merit of the *first part* of that work consists more in the perspicuous and judicious arrangement of facts and circumstances before brought to light, than in any new and fresh accession of materials. Had no violent and hostile opposition been made to the History of the Corruptions, &c. it is probable the Author might have never thought of inquiring much farther; at least, he would have wanted a sufficient motive to stimulate him to encounter the drudgery of turning over the pages of so many

many voluminous ancient writers, whose obscurity of style, and harshness of diction, are by no means inviting. This last observation is confirmed by our Author himself in writing to Dr. Horsley.

"To yourself, Sir, in particular, the world is indebted for whatever there may be of value in my large *History of early opinions concerning Christ.* For without the link that you put into the chain of *causes and effects*, mechanically operating in my mind, the very idea of that work would not, I believe, have occurred to me*."

To enter into a particular and minute detail of a work so large as this, consisting of so many divisions and sub-divisions, and abounding with such a vast variety of Greek and Latin quotations, would far exceed my limits. I shall therefore content myself with giving the general outline of it.

The work is dedicated to the late Mrs. Rayner, a lady of ample fortune, distinguished by her piety and zeal for rational religion. The large Preface treats of different points relating to the work.

* Letters to Dr. Horsley, Part III. p. 47.

The

The Introduction contains a view of the principal arguments against the divinity and pre-existence of Christ. 1. From the general tenor of the scriptures. 2. From the difficulty of tracing the time in which they were divulged. 3. From Christ not being the object of prayer. 4. From the doctrine of the Trinity as implying a contradiction. 5. The nature of the Arian hypothesis is considered, and the proof which is necessary to make it credible. 6. Reasons are proposed for not considering Arians as being properly Unitarians. 7. The argument is stated against the pre-existence of Christ from the materiality of man; and the use, or rather inutility of the doctrine of the Trinity is considered.

The first book contains the history of opinions which preceded the doctrine of the divinity of Christ, and which prepared the way for it.

Chap. 1. Of those who are called Apostolical Fathers.

2. Of the Principles of the Oriental Philosophy.

3. Of the Principles of the Christian Gnostics.

The

The particular tenets of the Gnostics are detailed in eleven different sections.

Chap. 4. The Gnostics were the only Heretics in early times.

Sect. 1. Of Heresy in general. 2. Of Heresy before Justin Martyr. 3. Of Heresy according to Justin Martyr. 4. Of Heresy according to Irenæus. 5. Of Heresy according to Clemens Alexandrinus, Tertullian, Origen, and Firmillian. 6. Of Heresy in a later period.

Chap. 5. Of the Apostles Creed as a guard against Gnosticism.

7. A View of the Principles of the later Platonists.

Sect. 1. The Doctrine of the later Platonists concerning God and Nature. 2. Of the Doctrine of the Platonists concerning the Union of the Soul with God, and General Observations.

VOL. II.....BOOK I.

The History of Opinions which preceded the doctrine of the divinity of Christ, and which prepared the way for it, continued.

Chap. 8. Of the Platonism of Philo.

BOOK II.

Containing the History of the Doctrine of the Trinity.

Chap. 1. Of Christian Platonism.

2. Of the Generation of the Son from the Father.

Sect. 1. The Doctrine of the Platonizing Fathers concerning the Generation of the Son as the second person in the Trinity, stated.

Sect. 2. Authorities for this opinion from Justin Martyr to Origen. 3. Authorities from Origen and other writers subsequent to him; with an account of other attributes of the Fathers, besides that of wisdom, which Christ is said to have been.

Chap. 3. The Defence of the preceding doctrine by the Fathers.

Sect. 1. The Generation of the Son from the Father, illustrated by the uttering of words. 2. The Generation of the Son from the Father, illustrated by the prolation of a branch of a tree from the root, &c. 3. Why only one son was generated, the objection of generation implying passion considered, and why the Son and Holy Spirit did not generate. 4. Whether the generation of the son was

in

in time, and also whether it was a voluntary or involuntary act of the Father.

Chap. 4. The inferiority of the Son to the Father, shewn to have been the doctrine of all the Antenicene Fathers.

5. Of the power and dignity of Christ as the pre-existing Logos of the Father.

6. Christ, beside being the Logos of the Father, was thought to have a proper human soul.

7. Of the Union between the Logos, and the soul and body of Christ, and their separate properties.

Sect. 1. Of this Union in general. 2. Of the Ignorance of Christ concerning the Day of Judgment. 3. Opinions concerning the body of Christ.

Chap. 8. Of the Use of the Incarnation, and the objections that were made to the doctrine.

9. Of the Controversy relating to the Holy Spirit.

Sect. 1. Opinions concerning the Holy Spirit before the Council of Nice. 2. Opinions concerning the Holy Spirit after the Council of Nice. 3.

Of

Of the proper office of the spirit with respect to the offices of the Father and the Son. 4. Of the arguments for the Divinity of the Holy Spirit.

Chap. 10. Of the Doctrine of the Trinity after the Council of Nice.

Sect. 1. The doctrine of the perfect equality of all the persons in the Trinity. 2. Of the New Language introduced at and after the Council of Nice. 3. Illustrations of the doctrine of the Trinity.

Chap. 11. Of the arguments by which the doctrine of the Trinity was defended.

Sect. 1. Arguments from the Old Testament. 2. Arguments from the New Testament. 3. Answers to Objections.

VOL. III....BOOK III.

Introduction.

Chap. 1. That the Jews in all ages were believers in the Divine Unity.

Sect. 1. The fact acknowledged by the Christian Fathers. 2. Of the reasons why, according to the Christian Fathers, the doctrine of the Trinity was not discovered to the Jews. 3. The sentiments of the Jews, as expressed by themselves, on the subject. 4. Of the Jewish angel Metatron, &c.

Chap.

Chap. 2. General Considerations relating to the supposed conduct of Christ and the Apostles, with respect to the Doctrines of his Pre-existence and Divinity.

3. Of the Conduct of our Saviour himself, with respect to his own supposed Pre-existence and Divinity.

4. Of the Testimony of Athanasius to the Caution with which the Apostles divulged the Pre-existence and Divinity of Christ.

5. Of the concurrent testimony of other Fathers to the caution of the Apostles, in teaching the Doctrines of the Pre-existence and Divinity of Christ.

6. Of the Caution observed by the Apostles in teaching the Doctrines of the Pre-existence and Divinity of Christ to the Gentile Converts.

7. Of John being thought to have been the first who clearly and boldly taught the Doctrines of the Pre-existence and Divinity of Christ.

Sect.

Sect. 1. The Acknowledgments of the Christian Fathers that John was the first who taught the doctrines above mentioned. 2. Reflections on the subject.

Chap. 8. Of the Nazarenes and the Ebionites; shewing that they were the same people, and that none of them believed the Divinity or Pre-existence of Christ.

9. Of the supposed Church of Orthodox Jews at Jerusalem, subsequent to the time of Adrian.

10. Of the supposed Heresy of the Ebionites and Nazarenes, and other particulars relating to them.

11. Of the sacred books of the Ebionites.

12. Of men of eminence among the Jewish Christians.

13. Unitarianism was the doctrine of the primitive Gentile Churches.

Sect. 1. Presumptive evidence that the majority of the Gentile Christians in the early ages were Unitarians. 2. Direct evidence in favour of the Gentile Christians having been generally Unitarians.

Chap.

Chap. 14. An Argument for the Novelty of the Doctrine of the Trinity, from the manner in which it was taught and received in early times.

15. Objections to the preceding state of things considered.

Sect. 1. Of the Testimony of Eusebius to the novelty of the Unitarian doctrine. 2. Of the Excommunication of Theodotus by Victor. 3. Of the part taken by the Laity in the Excommunication of the early Unitarians, and other considerations relating to the subject.

Chap. 16. Of the State of the Unitarian doctrine after the Council of Nice.

Sect. 1. Of the State of the Unitarians from the time of the Council of Nice to the sixth century. 2. Of the State of Unitarians after the sixth century.

Chap. 17. Of Philosophical Unitarianism.

18. Of the Principles and Arguments of the ancient Unitarians.

Sect. 1. Their zeal for the Divine Unity, and their sense of the word Logos. 2. Arguments of the ancient Unitarians from Reason. 3. Arguments of the ancient Unitarians from the Scriptures.

Chap.

Chap. 19. Of the Practice of the Unitarians with respect to Baptism.

VOL. IV....BOOK III.

The History of the Unitarian Doctrine continued.

Chap. 20. Of the Doctrine of the Miraculous Conception.

Sect. 1. Of the Nature and Importance of the Doctrine of the Miraculous Conception. 2. The Opinions of the Christian Fathers concerning the use of the Miraculous Conception.

Sect. 3. A View of the Arguments in favour of the Miraculous Conception, and of the Historical Evidence, by which its credibility should be ascertained. 4. Reasons for thinking that the Miraculous Conception was not known, or believed, in very early times. 5. The internal evidence for the credibility of the Miraculous Conception considered. 6. Considerations relating to the Roman census, mentioned by Luke. 7. Supposed allusions to the Miraculous Conception in the scriptures. 8. Objections to the Miraculous Conception by the ancient Unbelievers, and the answers of the Christian Fathers to them.

BOOK IV.

Of some controversies which had a near relation to the Trinitarian or Unitarian doctrine.

Chap. 1. Of the Arian Controversy.

Sect. 1. Of the antecedent causes of the Arian doctrine. 2. Of the tenets of the ancient Arians. 3. The arguments of the ancient Arians. 4. Of the arguments of the Orthodox against the Arians. 5. General observations against the Arian controversy.

Chap. 2. Of the Nestorian controversy.

3. An account of the Priscillianists and Paulicians.

CONCLUSION.

Sect. 1. A connected view of all the principal articles in the preceding history. 2. An account of the remains of the Oriental or Platonic philosophy, in modern systems of Christianity. 3. Maxims of historical criticism. 4. A summary view of the evidence for the primitive christians having held the doctrine of the simple humanity of Christ. 5. Some of the uses that may be derived from the consideration of the subject of this work. 6. Of the present state of things with respect to the Trinitarian and Arian controversies. Articles omitted to be inserted in

their proper places. An Appendix, containing the remarks of the Author's friends on the work, with corrections and emendations.

From the summary view of the contents of this work before given, a sensible reader unacquainted with the nature of it, will be able to form a better idea of its variety and extent, and the connection and coherence of its parts, than by any imperfect abstract I could have made of it in a short compass. Every article in it is supported by quotations from ancient ecclesiastical writers in Greek and Latin, which are inserted in the notes below, and either translated or the substance of them given in the body of the work. These translations, as our Author informs us in his Appendix, amount to about eighteen hundred. To compose a work of this kind, as our Author did, from original authorities: to inspect so many ancient writers, to select from them the necessary passages, and arrange them in that just and proper order in which they now appear, must have been a task of immense labour, and yet our Author performed it in less than the space of three years. The most important places of the first and second parts of our Author's correspondence with Dr. Horsley are here inserted under their

their proper heads, though without mentioning the name of that writer, and very strong and powerful arguments are offered to prove the general prevalence of Unitarian principles in the first ages of the Christian church, and the rise and progress of the Trinitarian and Arian systems, are very naturally and probably accounted for. In my apprehension, the general plan and execution of this work will long do honour to Dr. Priestley's memory, and have a just value set upon it by all who cherish and embrace Christianity in its genuine and original simplicity.

The publication of this last great work, connected with our Author's preceding controversy with Dr. Horsley, brought several new writers into the field. Some of these, however, threatened more than they performed, and none of them entered largely and distinctly into the controversy in all its parts. Our Author published three replies to these writers, of which we shall here give a brief account. The first is entitled *Defences of Unitarianism for the year* 1786, *containing Letters to Dr. Horne, Dean of Canterbury; to the young men who are in a course of education for the Christian ministry, at the Universities of Oxford and Cambridge; to the Rev. Dr. Price; and*

and to the Rev. Mr. Parkhurst, on the subject of the person of Christ. Birmingham, 1788. After considering in the first letter to Dr. Horne, an accusation brought against him of having charged the defenders of the doctrine of the Trinity with ignorance or insincerity, our Author, in the second letter, treats of the argument from antiquity, and of Dr. Horsley's services with respect to it. He proposes thirteen questions to be answered by Dr. Horne, with respect to different points of the controversy in which he apprehends Dr. Horsley has failed in his proof. The remaining three letters treat of the interference of civil power in matters of religion, of some particular arguments for the doctrine of the Trinity, and of miscellaneous articles.

The letters to the young men, &c. contain discussions on the following topics: Subscription to articles of faith. The study of the doctrine of the Trinity. The difficulties attending an open acknowledgment of truth. Animadversions on Dr. Purkis's Sermon. Mr. Jones's Catholic doctrine of the Trinity.

In the twelve letters to Dr. Price, the arguments proposed by that celebrated writer and excellent christian,

christian, in his sermons in favour of the Arian hypothesis, are distinctly and particularly considered, and replied to with great ability.

The letter to Mr. Parkhurst contains observations on a treatise of that writer, entitled, *The Divinity and Pre-existence of Christ demonstrated from Scripture, in answer to the first section of Dr. Priestley's Introduction to his History of Early Opinions concerning Jesus Christ, together with strictures on some other parts of that work.*

The second reply is entitled, *Defences of Unitarianism for the year* 1787, *containing Letters to the Rev. Dr. Geddes, to the Rev. Dr. Price, Part II. And to the Candidates for Orders in the two Universities, Part II. Relating to Mr. Howe's Appendix to his fourth Volume of Observations on Books, a Letter by an Under-Graduate of Oxford, Dr. Croft's Bampton Lectures, and several other publications.* Birmingham, 1788.

Dr. Geddes had published a small pamphlet in 1787, containing a letter to Dr. Priestley, in which he endeavoured to prove by one prescriptive argument, that the divinity of Jesus Christ was a primitive tenet of Christianity. This prescriptive argument,

ment, he says, is "the formal decision of the Nicene council;" and he asks Dr. Priestley "whether "he thinks it in the smallest degree probable, that "three hundred and eighteen of the principal pas- "tors in the Christian church, convoked from the "three parts of the then known world, could possi- "bly combine to establish a doctrine different from "that which they had hitherto taught their respec- "tive flocks, and which they had themselves receiv- "ed from their predecessors in the ministry."

Our Author addressed four letters to Dr. Geddes. In the first, he shews that the unity of God is declared in the clearest and most decisive manner in the scriptures. In the second, he assigns seven good reasons why the decision of the Nicene council cannot be considered as a fair expression and declaration of the general sentiments of the Christian church, and consequently Dr. Geddes's argument grounded on that decision, is fallacious and inconclusive. In the third, he shews the prevalence of Unitarianism among the great body of Christians in all the periods preceding the council of Nice, and even at the time, and after, that council was held: and in the fourth and last letter, he affirms, in opposition to Dr. Geddes,

des, that there can be no *kinds* or *degrees* of divinity, and that if Christ be not God in the supreme and superlative sense of that word, he cannot be considered as God at all. He invites Dr. Geddes to a farther discussion of the controversy, but this invitation he did not embrace.

Dr. Price having, in an Appendix to his Sermons, candidly stated some of the most important of Dr. Priestley's arguments against the Arian hypothesis, and in some places made remarks upon them, our Author, in seven letters, pursues the subject with him with the same acuteness and ability as before; and in this, as well as the former part, has suggested some very powerful arguments both from scripture and reason against the Arian notion of Christ's pre-existence, and his having acted in the creation and formation of the world.

There are eight letters addressed to the candidates for orders; in the five first of which our Author replies to Mr. Howe's uncandid insinuations respecting himself, and his misrepresentation of the doctrine of the Ebionites and other ancient sects. He recapitulates several passages from ancient writers before quoted in other publications, to evince what

what the true tenets of the Ebionites were, and points out the true meaning of a passage in Tertullian, and another in Epiphanius, quoted and misapplied by Mr. Howes.

The three remaining letters contain replies to Mr. Madan and other writers, the letter respecting subscription, &c. addressed to the Author by an Under-graduate, and Dr. Croft's Bampton lectures, in which the young candidates are admonished and guarded against the fallacies of these writers, and exhorted to a steady resistance of all unjust and unreasonable impositions in matters of christian faith.

The third and last reply bears the title of *Defences of Unitarianism for the years* 1788 *and* 1789, *containing Letters to Dr. Horsley, Lord Bishop of St. Davids; to the Rev. Mr. Barnard, the Rev. Dr. Knowles, and the Rev. Mr. Hawkins.* Birmingham, 1790.

Dr. Horsley, after having kept silence nearly three years, was prevailed upon at last (as he informs his readers) by the solicitation of his friends, to republish his former controversial tracts at Gloucester, 1780. To these he added a preface, notes, and six supplementary disquisitions. The preface contains a brief

a brief and partial view of the state of his controversy with Dr. Priestley, and a declaration on his part that he had not, and did not intend to read Dr. Priestley's History of Early Opinions. The Disquisitions are employed on the following subjects. 1. Of the Phrase "coming in the flesh," as used by Polycarp in his epistle to the Philippians. 2. Of the passage in Tertullian respecting the Unitarians, and his use of the word *Idiota*. 3. Of the sentiments of Irenæus with respect to the Ebionites. 4. Of the sentiments of the Fathers and others concerning the eternal organization of the Son in the necessary energies of the paternal intellect. 5. Of Origen's want of veracity. 6. Of St. Jerome's orthodox Hebrew Christians. These dissertations, though highly laboured, and composed no doubt with much deliberation in the course of three years, are far from being conclusive or convincing with respect to the subjects of which they treat. The only one of them in which he appears to have gained any advantage, is the third; and that only respects the opinion of Irenæus about the Ebionites, whether in that Father's judgment they were heretics or not. Dr. Horsley has been at pains to collect a number of passages from that writer con-

cerning this sect, from which it appears he had an unfavourable idea of them, and in one of which he expressly calls them heretics.

Dr. Priestley's reply consists of ten letters. In the first, he considers and properly exposes Dr. Horsley's attempts to depreciate his antagonist. In the second, he replies to the charge of want of candour. In the third, he renews the subject of borrowing from Zuicker, and relates a circumstance from which it seems fair to conclude, that notwithstanding all that Dr. Horsley had said concerning that writer, he had never seen his book at all. Dr. Priestley having had a copy of Zuicker's work sent him by a foreign correspondent, gives here a brief account of it. The fourth letter treats of the damnatory clause in the Athanasian creed. In the fifth letter, our Author defends his interpretation of the phrase, *coming in the flesh*, in answer to Dr. Horsley's first supplementary disquisition. In the sixth letter, he re-considers briefly the passage from Tertullian, and the meaning of the word Idiota, and exposes the laboured sophistry of his antagonist in his second disquisition. In the seventh letter, he considers the opinion of Irenæus concerning heretics, and

acknowledges

acknowledges that he had overlooked a passage quoted by Dr. Horsley from that writer, in which the Ebionites are called by that name; but he affirms, that according to the account of the principles of early heretics given by Irenæus, that to have been consistent with himself, he ought not to have considered the Ebionites as heretics. He regards, however, the opinion of Irenæus, as of no consequence to the argument, and would have produced the passage himself if it had occurred to his perusal.

The eighth letter respects Dr. Horsley's notion of the origin of the Son from the Father's contemplation of his own perfections, in answer to his fourth Disquisition. Here our Author shews, by express quotations from Tatian, Theophilus, Clemens Alexandrinus, Hippolytus, Tertullian, Novatian, Lactantius, Eusebius, and Athanasius, that this notion of Dr. Horsley's was incompatible with the idea that these Fathers had of the generation of the son from the Father's will and intention, and that all Dr. Horsley's authorities for it are derived from modern theological writers.

In the ninth letter, our Author, by a recapitulation of known facts and circumstances, defends the veracity

veracity of Origen, and overturns the precarious suppositions of Dr. Horsley in regard to the existence of a church of orthodox Jewish christians at Jerusalem. He concludes this letter as follows. "To shew that I am not ambitious of having the last word, except where I have something of importance to add, I also freely submit to our readers what your Lordship has added in your sixth dissertation concerning *Jerom's orthodox Hebrew Christians*, in answer to the *fourth* of my *third set of Letters*. That the Ebionites and Nazarenes were only two names for the same set of people, and that they were all, as far as we know, believers in the simple humanity of Christ, I have abundantly proved in my *History of early opinions concerning Jesus Christ*; and certainly your Lordship's not chusing to look into that work, cannot be called an *answer* to it. Till I see something at least *plausibly* advanced in answer to what I have there alleged, I shall think it unnecessary to say any thing farther on the subject."

The tenth letter contains reflections on Dr. Horsley's insolent and uncandid method of conducting the controversy, and his making no acknowledgments even with respect to these points of which he has not attempted

attempted to renew the defence. He calls upon him and other champions in the establishment, to come forth again in support of their cause, and in order to stimulate them the more effectually, he quotes and translates a passage from the *Prolegomena* of Dr. Cave's *Historia Literaria*, in which that writer endeavours to animate the clergy of the church of England to defend her doctrines against the Unitarian writers of his time. He observes, that it has been said that Dr. Horsley has already been rewarded with a bishopric for his former services in the cause of orthodoxy, and that new exertions may still raise him higher in the scale of ecclesiastical preferment.

Our Author, in six letters addressed to Mr. Barnard, a Roman Catholic writer, vindicates Unitarians and their cause from his aspersions, refutes his arguments in favour of the Trinity from the scriptures and from ecclesiastical antiquity, and replies to his vindication of Dr. Geddes's account of the council of Nice, and the prescriptive argument founded upon it; and in a letter to Dr. Knowles, he confutes the weak arguments and reasonings of that writer.

There

There are eight letters addressed to Mr. Hawkins, who had formerly been a Roman Catholic, and had lately come over to the communion of the church of England, though as it too evidently appears from Dr. Priestley's quotations from his publication, that he was far from being completely satisfied with the doctrines of that church. The five first letters treat chiefly of subscription to human articles of faith, in regard to which Mr. Hawkins has recourse to various methods and expedients to satisfy himself, which are very properly animadverted upon by Dr. Priestley. The three last letters respect the doctrine of the Trinity, and points connected with it, in which Mr. Hawkins's attempts to reconcile that doctrine to the scriptures, to reason, and his own conscience, are well confuted and exposed by Dr. Priestley.

An Appendix follows this Tract, containing an account of no less than *fourteen* senses, in which the subscription of the thirty-nine articles of the church of England has been vindicated. These different senses Dr. Priestley says were collected by an *ingenious friend* of his, at that time living in England. This gentleman is now known to have been Thomas Cooper,

Cooper, Esq. at present occupying the respectable station of a Judge in Pennsylvania.

We must now go back a little, and give an account of some works that Dr. Priestley published during the time he was engaged in the controversies before mentioned, the thread of which we were unwilling to interrupt by inserting any thing foreign to the subject of them. In 1784, the Theological Repository was revived, and three additional volumes were published in that and succeeding years. The Essays written by Dr. Priestley himself in these three volumes, under the signatures of *Pamphilus*, *Hermas*, *Pelagius*, *Beryllus*, *Biblicus*, *Josephus*, *Ebionita*, *Photinus*, and *Scrutator*, are too numerous to be enlarged upon; we shall, therefore, only give their titles as follows, viz.

PAGE

The Introduction, Vol. 4.

1. Observations on Inspiration. 17
2. Observations relating to the Inspiration of Moses. 27
3. Of the island on which the apostle Paul was shipwrecked. 39

An addition to this article. 75

4. Remarks

PAGE

4. Remarks on Dr. Taylor's Key to the Apostolic Writings. 57
5. A Query relating to the rise of the Arian Doctrine. 70
6. A Conjectural Emendation of *Exod.* xxiii. 23. 73
7. A Query relating to the doctrine of Plato concerning the Divine Essence. 76
8. Of the doctrine of Plato concerning God and the general System of Nature. 77
9. Observations on the Prophets of the Old Testament. 97
10. Animadversions on the Preface to the new Edition of Ben. Mordecai's Letters. 180
11. Observations on the Inspiration of the Apostles. 189
12. Observations on the Miraculous Conception. 245
13. The History of the Arian Controversy. 306
14 An attempt to shew that Arians are not Unitarians. 338

15. An

PAGE

15. An Illustration of the Promise made to Abraham. 361
16. A View of the Principles of the later Platonists. 381
17. Of the Platonism of Philo. 408
18. Observations on the Inspiration of Christ. 433
19. Observations on the Prophecy concerning Shiloh. 473
20. Of the Pre-existence of the Messiah. 477

Vol. 5.

21. Observations on the Roman Census, mentioned Luke ii. 1. unfavourable to the Miraculous Conception. 91
22. Miscellaneous Observations of the same nature. 100
23. A Supplement to the Illustration of the Promise made to Abraham. 108
24. Observations on the Prophecies of the Old Testament quoted in the New. 111
25. Observations on the Quotation of Isaiah, ix. 1, 2. by the Evangelist Matthew. 123

PAGE

26. Observations on the Prophecies relating to the Messiah, and the future glory of the house of David. 210-300

27. An Attempt to prove the perpetual Obligation of the Jewish Ritual. 403

Vol. 6.

Of the Perpetuity of the Jewish Ritual, (continued from Vol. 5, p. 444.) 1

28. Difficulties in the Interpretation of some Prophecies not yet fulfilled, and Queries relating to them. 203

29. An Account of the Rev. John Palmer, and of some Articles intended by him for this Repository. 217

30. Observations on Christ's Agony in the Garden. 302-347

31. A Query concerning the Origin of the low Arian Doctrine. 376

32. Queries relating to the Religion of Indostan. 408

33. The Observance of the Lord's Day vindicated. 465

34. Of

PAGE

34. Of the Origin of the Arian hypothesis. 484

Conclusion.

In 1786, our Author published at Birmingham, *Letters to the Jews; inviting them to an amicable Discussion of the Evidences of Christianity.* A second edition, with some additions, appeared in 1787. This sprightly animated piece was well calculated to make an impression on the Jews, if their inveterate prejudices against Christianity would permit them to listen with candour to any thing that can be said in favour of it. It consists of five letters, viz. 1. Of the peculiar Privileges of the Jewish Nation, and the Causes of their Prejudices against Christianity. 2. Of the present dispersed and calamitous state of the Jewish nation. 3. Of the Historical Evidences of the divine mission of Christ. 4. Of the Doctrine concerning the Messiah. 5. Miscellaneous Observations, and Conclusion. David Levi, a Jew, having published an answer to this piece of Dr. Priestley's, our Author addressed a second set of letters to the Jews, seven in number, in which Mr. Levi's objections are particularly considered and obviated.

About

About the same time, our Author published, *Discourses on various subjects, including several on particular occasions.* Birmingham, 1787. The subjects of these discourses are as follows.

1. A serious attention to Christian duties; a sermon preached before the congregation of Protestant Dissenters, at Mill-hill chapel, in Leeds, May 16, 1773, on occasion of resigning the pastoral office among them, before noticed.

2. The Uses of Christian societies; a sermon preached Dec. 31, 1780, at the New Meeting, in Birmingham, on undertaking the pastoral office in that place.

3. The proper Constitution of a Christian Church, considered in a sermon preached at the New Meeting, in Birmingham, Nov. 3, 1782; to which is prefixed, a prefatory discourse, relating to the present state of those who are called rational Dissenters.

4. The Importance and Extent of Free Inquiry in matters of religion; a sermon preached before the congregations of the Old and New Meeting of Protestant Dissenters at Birmingham, Nov. 5, 1785.

5. The Doctrine of Divine Influence on the Human Mind; considered in a sermon preached at the ordination

ordination of the Rev. Thomas and John Jervis, in 1779.

6. Two Discourses. 1. On Habitual Devotion. 2. On the Duty of not living to ourselves; both preached to assemblies of Dissenting Ministers, and published at their request.

7. Of the Danger of Bad Habits.

8. The Duty of not being ashamed of the Gospel.

9. Glorying in the Cross of Christ.

10. Taking the Cross and following Christ.

11. The Evidence of Christianity from the Persecution of Christians.

To the Discourse on the Nature and Extent of Free Inquiry, when first printed by itself, were annexed, Animadversions on some Passages on Mr. White's Sermons at the Bampton Lectures; Mr. Howe's Discourse on the Abuse of the Talent of Disputation in Religion; and a Pamphlet, entitled, "Primitive Candour," with notes, and the History of a Calumny, re-printed from the St. James's Chronicle of Jan. 21, 1773.

Besides the sensible and valuable discourses contained in the volume before mentioned, our Author published

published occasionally, from 1788 to 1791, several discourses of particular excellence, which have never been collected, viz.

1. A Sermon on the subject of the Slave Trade; delivered to a Society of Protestant Dissenters, at the New Meeting, in Birmingham; and published at their request. Birmingham, 1788.

2. The Conduct to be observed by Dissenters, in order to procure the Repeal of the Corporation and Test Acts. Recommended in a sermon, preached before the congregations of the Old and New Meetings, at Birmingham, Nov. 5, 1789. Printed at the request of the Committee of the Seven Congregations of the three denominations of Protestant Dissenters, in Birmingham.

3. Reflections on Death; a sermon, on occasion of the death of the Rev. Robert Robinson, of Cambridge, delivered at the New Meeting in Birmingham, June 13, 1790. And published at the request of those who heard it, and of Mr. Robinson's family. Birmingham, 1798.

4. A View of Revealed Religion; a sermon, preached at the ordination of the Rev. William Field of Warwick, July 12, 1790. With a Charge, delivered

delivered at the same time, by the Rev. Thomas Belsham. Birmingham, 1790.

5. The proper Objects of Education, in the present State of the World: represented in a discourse, delivered on Wednesday, April 27, 1791, at the Meeting-house in the Old Jewry, London; to the Supporters of the New College at Hackney. To which is subjoined a Prayer, delivered at the same time, by Thomas Belsham. 2d edit. London, 1791.

6. A Discourse on occasion of the death of Dr. Price; delivered at Hackney, on Sunday, May 1, 1791. London, 1791.

To this Discourse is annexed, A short Sketch of the Life of Dr. Price, with an account of all his publications.

7. The Evidence of the Resurrection of Jesus considered, in a Discourse first delivered in the Assembly-room, at Buxton, on Sunday, September 19, 1790. To which is added, An Address to the Jews. Birmingham, 1791.

8. The Duty of Forgiveness of Injuries; a Discourse intended to be delivered soon after the riots in Birmingham. Birmingham, 1791.

9. A particular

9. A particular Attention to the Instruction of the Young recommended, in a discourse delivered at the Gravel-pit Meeting, in Hackney, Dec. 4, 1791, on entering on the office of Pastor to the congregation of Protestant Dissenters, assembling in that place. London, 1791.

In 1787, our Author published, *A Letter to the Right Hon. William Pitt, on the Subjects of Toleration and Church Establishments, occasioned by his Speech against the Repeal of the Test and Corporation Acts, on Wednesday the 28th of March*, 1787. London, 1787.

The impolicy and injustice of the test and corporation acts, the necessity of repealing the penal laws in force against Unitarians, the evils attending the ecclesiastical establishments of England and Ireland, the unscriptural doctrines maintained in them, the impropriety of excluding Dissenters from the Universities, with other topics of a similar nature, are here laid before the minister, and insisted upon with much spirit and propriety; in order to give him clearer and juster ideas on these subjects, than he appeared to be possessed of, when he delivered his speech above mentioned, in the hearing of our Author.

thor. The attempt was laudable on the part of Dr. Priestley, but like other attempts of a like kind, attended with no good effect. The voice of truth is too feeble to affect the ears of an unfeeling statesman, or to make a favourable impression on his callous and obdurate heart.

The following year our Author re-published, *An History of the Sufferings of M. Louis de Marolles, and M. Isaac le Fevre, upon the Revocation of the edict of Nantz. To which is prefixed, a General Account of the Treatment of the Protestants in the Gallies of France. Translated from the French about the beginning of this century.* Birmingham, 1788.

The sufferings of these two Protestant martyrs in the gallies and prisons of France were very severe, of long duration, and supported with the greatest constancy, patience, and meekness. Dr. Priestley appears to have been greatly affected by the perusal of this narrative, and thought it highly worthy of republication. He has prefixed to it a preface full of pious and instructive sentiments, which will be read with pleasure, as well as the work itself, by those who

have a proper conception of Christian magnanimity, and patient suffering for the sake of conscience.

The attempts made by the Dissenters to procure the repeal of the test and corporation acts, the meetings that were held for that purpose, the part that Dr. Priestley took in these proceedings, with the general strain and spirit of his writings, awakened the jealousy and excited the resentment of Mr. Madan and Mr. Burn, two clergymen of the church of England, residing in Birmingham at the same time with Dr. Priestley. Mr. Madan attacked Dr. Priestley first from the pulpit, and then from the press, and Mr. Burn endeavoured to refute some of his late writings. To guard the minds of the people of Birmingham against deception, and to prevent them from conceiving unjust and ill-founded prejudices against the Dissenters in general, or himself and his Unitarian friends in particular, our Author thought it necessary to address them in a series of letters published at short intervals, in five parts, from March to June 1790, and afterwards re-published, joined with letters to Mr. Burn, with some additions and corrections. They are entitled, *Familiar Letters, addressed to the Inhabitants of Birmingham, in refutation of*

of several Charges advanced against the Dissenters and Unitarians, by the Rev. Mr. Madan. Also, Letters to the Rev. Edward Burn, in answer to his, *on the Infallibility of the Apostolic Testimony concerning the Person of Christ. And Considerations on the differences of opinion among Christians, which originally accompanied the reply to the Rev. Mr. Venn.* 2d Edit. Birmingham 1790.

It appears from the Preface to the second edition, that these Familiar Letters, &c. had a more extensive circulation than most of Dr. Priestley's publications. They are twenty-two in number, written with great ability, and occasionally enlivened with strokes of wit and pleasantry. The first part, (including Letters 1, 2, 3), vindicates the public meetings of the Dissenters from having any seditious tendency, and produces proof from history and recent facts, that they have not been such enemies to monarchy as Mr. Madan has represented. The inconclusiveness of Mr. Madan's reasoning is demonstrated from a variety of considerations.

Part 2, (Letters 4, 5) respects the corporation and test acts, the defeat of the Dissenters in the House

of

of Commons, March 2, 1791, and the conduct of the clergy in procuring it.

Part 3, (Letters 6, 7, 8) treats of a Complete Toleration of Religious Establishments in general, and Remarks on what Mr. Madan has advanced on this subject.

Part 4, (Letters 9 to 16) contains our Author's account of a rude letter from Mr. Madan, treats of Mr. Madan's Apology for his treatment of the Dissenters, of his farther arguments to prove that the Dissenters are unquestionably republican, and of the decision of the House of Commons against the Dissenters, of the ecclesiastical constitution of Ireland, of a charge of being fond of controversy, of the principles of the church of England and subscription to its articles, &c. and of Mr. Madan's idea of Unitarianism.

Part 5, (Letters 17 to 22) gives an Account of Unitarian principles supported by scriptural authorities, treats of Mr. Burn's letters in answer to the Author, contains a short history of the Dissenters, and an account of their general principles, treats of the situation of the clergy of the established church, and of calumnies contained in a Pamphlet, entitled,

Theodosius,

Theodosius, with a conclusion. A postscript is added, containing an account of the Author's intercourse with the late Mr. Badcock.

The Letters to Mr. Burn (six in number) treat of the principle of Mr. Burn's objections to the Author's reasoning concerning the person of Christ; of the argument for the divinity of Christ from Heb. i. 8.; of the reason for appealing to Early Opinions concerning the person of Christ; of the Doctrine of Inspiration; of the immoral consequences of the Author's opinions, and conclusion. An account has been given before, of the Considerations on differences of opinion among Christians.

The same year our Author published, *Remarks on two Letters, addressed to the Delegates from the several Congregations of Protestant Dissenters, who met at Devizes, on Sept.* 14, 1789.

These remarks were annexed to a short but sensible Pamphlet, entitled, *The Spirit of the Constitution and that of the Church of England compared*, composed by another hand, and accompanied by a spirited and suitable Preface written by our Author. The Preface and Remarks are without Dr. Priestley's name, but he acknowledges himself the Author

of

of both in a note subjoined to the Preface of the Familiar Letters, &c. re-published with some additions and corrections in 1790. Several quotations are introduced into these *Remarks* from the *Two Letters*, &c. before mentioned. The sophistry employed by the writer in order to justify the continuance of the corporation and test acts, is refuted by our Author, sometimes directly, and other times by shewing the dangerous or absurd consequences that would result from similar maxims and positions being applied to other subjects. Perhaps a fuller and clearer confutation of the unjust and arrogant claims of high churchmen, can no where be found in an equally short compass, and comprehending so many particulars as the following, viz.

Introduction.

Section 1. Of the Dissenters not having a Right to complain of not being appointed to offices, to fill which no Person can pretend to have a right.

Sect. 2. Of the Dissenters incapacitating themselves for civil offices.

Sect. 3. Of Danger to the State from employing Sectaries.

Sect. 4.

Sect. 4. Of the Dissenters being Enemies to the Constitution.

Sect. 5. Of the Exclusion of Dissenters from Civil Offices by the Church, on the Principle of Self-defence.

Sect. 6. Of the Necessity of an Ecclesiastical Establishment.

Sect. 7. Of the State of Ireland with respect to the Test Act.

Sect. 8. Of the Policy of the Church of England with respect to the Measure proposed.

All these topics are discussed with ability in the space of 26 pages, and sometimes with a proper seasoning of well-applied drollery.

The researches our Author had made into the state of things in the first ages of Christianity, and his frequent perusal of the Fathers and other ecclesiastical writers for that purpose, very naturally led him to think of writing a general history of the Christian church, and qualified him in some measure for the execution of it. Ecclesiastical history is indeed a beaten field, and has been frequently traversed both by Protestant and Roman Catholic writers. Besides the general histories of Bavorius, Spanheim, Du Pin, Tillemont,

Tillemont, Fleury, Mosheim, &c. the authors who have treated of particular periods or countries, are almost innumerable. Notwithstanding there was still room for the labours and exertions of an ingenious writer like Dr. Priestley. However careful the authors before mentioned might be in collecting and arranging facts, their theological prejudices in a manner necessarily led them to pass over some circumstances slightly, or give a partial account of them. What had been omitted, or incompletely executed by other ecclesiastical historians, our Author has endeavoured to supply in his ingenious work, the first part of which is entitled, *A General History of the Christian Church, to the Fall of the Western Empire.* 2 vols. 8vo. Birmingham, 1790.

Our Author, disapproving of the common division into centuries, has divided the whole time from the birth of Christ to the fall of the Western Empire, in A. D. 475, into thirteen periods. Under each of these periods, the most material facts and circumstances respecting the progress of Christianity, and the difficulties and persecutions it had to encounter, are distinctly related; and, at proper intervals, an account is given of the state of the Jews, the

rise

rise of sects and parties with the controversies occasioned by them, the early ecclesiastical writers, and such civil transactions as had a necessary connection with the history of the church.

The transactions that occurred during the public ministry of our Lord, the propagation of Christianity as recorded in the acts of the Apostles, and such matters of fact as could be collected and inferred from the epistles, are very agreeably told in the first place. Afterwards, the rapidly increasing spread and progress of Christianity, is particularly traced through the reigns of the Emperors Trajan, Adrian, &c. down to Decius and Dioclesian. Our Author has carefully noted the period when the primitive purity of evangelical doctrine began first to be tainted by an infusion of Gentile philosophy, and the successive stages of corruption that afterwards took place: and this is an excellence peculiar to his history, and not to be found in any other that has as yet appeared in our language. He gives an account of the state of Unitarians at different periods; he takes notice of the early synods and the topics of discussion that took place in them; he marks the growth of heresies, the state of the Gnostics, Meletians, Do-

natists and Manichæans: but above all, he is particular in recording the dreadful persecutions and long-continued sufferings to which the early Christians were exposed during a period of near three hundred years; when all the civil power of the Roman empire was exerted *in vain* to extinguish the divine seed of Christianity, and to eradicate that plant which the heavenly Father had planted. He bestows deserved encomiums on the perseverance and fortitude of the martyrs in general, who bore torments too horrid and lingering almost to be described or contemplated, with exemplary patience and meekness; though he blames some of them who rashly provoked and courted persecution, and discovered too much sullenness, obstinacy, and contempt of their adversaries. The horrors of the last persecution under Dioclesian, are very particularly described; and (p. 495, &c. vol. 1.) some observations are introduced on this great persecution and the *effects* of it, which do honour to the pen of Dr. Priestley, and demonstrate, in opposition to Mr. Gibbon and all unbelievers, that Christianity by its own natural evidence, and the constancy of those who suffered for it, had out-grown Heathenism, and established

blished itself in the time of Constantine; not by external power or violence, or the mere authority and power of that Emperor, but by a general change of sentiment in its favour, arising from causes which had been long operating throughout the whole extent of the Roman empire.

Our Author gives an account of the constitution of the Christian church before the time of Constantine, of the edicts of that Emperor in favour of Christianity, of the Arian controversy and council of Nice, of circumstances relating to Constantine's conversion to Christianity, and his death, of the councils of Sardica, Ariminum and Seleucia, and other events that took place in the reign of Constantius, of Julian's prejudices against Christianity, his artifices to subvert it, and more direct attempts to undermine and gradually to extirpate it; and of the state of things in the succeeding reigns of Jovian, Valens, Theodosius, and Honorius, down to the year 475.

We come now to record a mournful and melancholy event, and ever to be regretted, if any event that has taken place under the government, and by the permission of a wise and good God can be called mournful, or furnish matter for lasting regret,

viz.

viz. the Riot at Birmingham. Various causes contributed to bring on this catastrophe. Our Author's repeated exertions in the cause of Unitarianism, produced a great alarm in the minds of many of the clergy. His attachment to the Dissenters, and his opposition to the test and corporation acts, with his fixed and rooted aversion to the ecclesiastical constitution of the church of England, increased this alarm. The circulation of the Familiar Letters to the inhabitants of Birmingham, the Discourse delivered to the supporters of the New College at Hackney, and above all his Letters to Mr. Burke, occasioned by his Reflections on the Revolution in France, published in 1791, inflamed the minds of the clergy, and the state politicians connected with them, to desperation. In these Letters our Author had confuted, with much spirit and humour, Mr. Burke's vaunting, frantic, and pedantic declamation in favour of civil establishments in religion, as well as signified his approbation of the French revolution. The storm which had been gathering for some time, and clouding the religious and political horizon, broke forth at Birmingham on the 14th of July, 1791, in a scene of dismal and diabolical burning and devastation,

vastation, too well known to require to be particularly described. After our Author had with difficulty made his escape to London, he addressed a letter, published in the Morning Chronicle, to the inhabitants of Birmingham, remonstrating with them in a calm and christian manner, on the enormity of the crime they had committed. He next published the Discourse on the Forgiveness of Injuries, before noticed: and last of all, he addressed the nation at large, in a work consisting of two parts, entitled, *An Appeal to the Public, on the Subject of the Riots in Birmingham.* London, 1791-1792.

The first part of this appeal contains a spirited dedication to the people of England, a preface in which a list is given of twenty-two addresses transmitted to the Author, seven from France, and fifteen from England, some of which are inserted at the end. A narrative is given respecting the Author's conduct and situation at Birmingham, the state of parties, and the circumstances attending the riot. The rest of the work is divided into ten sections, containing reflections arising from the subject and suitable to it. Various papers relating to the riot, or occasioned by it, are published in the appendix.

In

In the second part of the Appeal, our Author defends the account he had given of the riot, and the circumstances attending it in the first part, produces additional information on the subject, and replies to the charges and accusations of Mr. Burn. He makes observations on the proceedings in the Courts of Judicature, and the approbation of the riot, and the extent of high church principles which were the cause of it, in other parts of England. Nineteen pieces concerning the subject, or corroborating what our Author has advanced upon it, are printed in the Appendix.

The same year our Author published Original Letters, by the Rev. John Westley, and his friends, illustrative of his early History, with other curious papers, communicated by the late Rev. S. Badcock. To which is prefixed, An Address to the Methodists. Birmingham, 1791.

These letters are pious and devotional, but will be chiefly interesting to those who are attached to the religious opinions of the Methodists. Our Author, in his Address, endeavours to enlighten their minds, and recommends to them a more rational theology than their own.

Soon

Soon after, our Author addressed *Letters to the Members of the New Jerusalem Church, formed by Baron Swedenborg.* Birmingham, 1791.

It appears from the description that Dr. Priestley gives of these disciples of Baron Swedenborg, that they are a kind of visionary and mystical Unitarians. Our Author gives a short account of the life of Baron Swedenborg, a list of his numerous writings, and after applauding his disciples for their rejection of the doctrine of the Trinity, and attachment to the divine Unity, he points out the defects of some parts of their religious system, its inconsistency with the scriptures, and requests their attention to his own more simple scheme of religion. He quotes occasionally some passages from Baron Swedenborg's writings, and gives in the Appendix three large extracts.

The following year our Author published, *Letters to a Young Man, occasioned by Mr. Wakefield's Essay on Public Worship; to which is added a Reply to Mr. Evanson's Objections to the Observance of the Lord's Day.* London, 1792.

In the preface to this piece, our Author vindicates his deceased friend, Dr. Price, from some harsh censures of Mr. Wakefield. He considers the nature

nature of social prayer, and shews, in opposition to Mr. Wakefield, that it is a dictate both of reason and scripture. He replies to Mr. Wakefield's objections from the practice of Christ and his apostles, and shews the expediency and use of public worship. In reply to Mr. Evanson, he produces passages from Ignatius, Justin Martyr, Tertullian, and other early writers, which prove, that it was the practice of the Christians of the second and third centuries, to assemble for public worship on the Lord's day, and to consider it as a festival to be kept in joyful memory of our Lord's resurrection: he afterwards defends his sentiments on this subject from Mr. Evanson's objections.

Our Author having been elected a member of the National Convention, and in other ways treated with peculiar marks of respect by the French nation at this time, though he wisely declined removing into that country, yet thought it became him to testify his regard for them, by suggesting some useful advice on subjects of high importance.

At an early period, therefore, of the year 1793, he published at London, *Letters to the Philosophers and Politicians of France, on the Subject of Religion.*

These

These Letters are six in number. In the first, he endeavours to remove the prejudices that the French philosophers might be apt to conceive at the very mention of the term religion. In the second, he concisely and clearly proves the being of a God. In the third, he treats of the attributes and providence of God. In the fourth, he considers the evidence of the miracles performed in attestation of the Jewish and Christian religion. In the fifth, he gives cautions against superficial reasoning on this subject, replies to objections, and some passages of late French writers. In the sixth Letter, our Author shews that there is no necessary connection between religion and civil government, and that as legislators they ought not to interfere in the concerns of the former, but leave it entirely to its own operation, without civil aid or restraint. The composition of these letters is manly and spirited, and a great deal of important sentiment is expressed in a short compass.

Soon after the publication of these Letters, the war broke out between Great Britain and France, and a Fast-day having been appointed by public authority, our Author, on the 19th of April, delivered

a discourse at the Gravel-pit Meeting, in Hackney, from Psalm xlvi. 1. which was afterwards published at London.

In this discourse our Author, without entering into any political discussion, considers the subject in a religious point of view, inculcating upon his hearers such sentiments as his text suggested, and the nature and circumstances of things required, and pointing out the great and important changes that would probably soon take place in the state of the world. In the preface to this sermon, our Author replies to some aspersions thrown upon him by Mr. Burke, and re-publishes a letter which he had before addressed to him in the Morning Chronicle.

The same year our Author published, *Letters to a Young Man, Part II. occasioned by Mr. Evanson's Treatise on the Dissonance of the Four generally received Evangelists.* London, 1793. It is matter of equal surprise and regret, that a man of Mr. Evanson's learning, ability and good character, should adopt so strange a paradox, as to set aside three of the four evangelists and a great many of the epistles, and to confine the whole authentic books of the New Testament to the Gospel of Luke, Acts of the Apostles;

Apostles, 1st and 2d Thessalonians, &c. and Revelation of John. Dr. Priestley's reply consists of twelve letters. In the first and second, he considers the nature of historical evidence, illustrated by that of the propagation of Christianity, and the authority of the four gospels in general. In the third letter, he treats of the preference given by Mr. Evanson to the Gospel of Luke. In the fourth, fifth, sixth, and seventh letters, he replies to various objections of Mr. Evanson against the Gospel of Matthew. In the eighth, ninth and tenth letters, he defends the Gospels of Mark and John, and the Epistle to the Romans. In the eleventh letter, he replies to Mr. Evanson's objections to the Epistles to the Ephesians, Colossians, Philippians, Titus and Philemon, but passes over the objections to the Epistle to the Hebrews, the Epistle of James, those of Peter and of John, as thinking them perhaps of no weight. In the twelfth letter, our Author considers Mr. Evanson's proceedings as arbitrary, in making the Gospel of Luke his standard by which to examine the other Gospels. The Appendix contains as follows: 1. Remarks on some Passages in Mr. Evanson's Letter to the Bishop of Worcester. 2. Of the date of Luke's

Luke's Gospel. 3. Of the Identity of Luke and Silas.

Another Fast-day, on account of the war with the French Republic, having been appointed in 1794, our Author delivered to his congregation, and immediately published, a *memorable* discourse on that occasion, entitled, *The present State of Europe compared with antient Prophecies; a Sermon preached at the Gravel-pit Meeting in Hackney, Feb.* 28, 1794, *being the day appointed for a General Fast. With a Preface, containing the Author's Reasons for leaving England.* London, 1794.

No person possessed of humane and virtuous sentiments, or even any degree of common liberality, can read the Preface to this Discourse, consisting of twenty-six pages, without admitting that Dr. Priestley had *sufficient*, yea *super-abundant* reasons, for leaving England; or without execrating the illiberal abuse thrown upon our Author, the unmerited ill usage he sustained, and the shocking infatuation of the times. That Dr. Priestley could not live without danger and molestation in his own country, that he was compelled to seek an asylum under the free and happy government of United America, and

that

that eventually (contrary to his wishes) he should receive a *grave* in that land,* is a truth that cannot be denied; but which will reflect indelible disgrace on the temper and spirit of the high-church party, and that of the abject state politicians of his time.

The text is happily chosen. Matth. iii. 2. *Repent ye, for the kingdom of heaven is at hand.* Dr. Priestley considers these words as affording a stronger motive to repentance at present, than at the time they were originally spoken, as the approach of the kingdom of God is much nearer than it was at that period. By a large induction of passages from the prophetical parts of scripture, he proves that the kingdom of heaven, in the proper and complete sense

* The Preface concludes as follows :....." I sincerely wish my countrymen all happiness; and when the time for reflection (which my absence may accelerate) shall come, my countrymen, I am confident, will do me more justice. They will be convinced, that every suspicion they have been led to entertain to my disadvantage, has been ill-founded, and that I have even some claim to their gratitude and esteem. In this case, I shall look with satisfaction to the time when, if my life be prolonged, I may visit my friends in this country; and perhaps I may, notwithstanding my removal for the present, *find a grave*, as I believe is naturally the wish of every man, in the *land* that gave me birth.

of

of the words, refers to the millennial state of the church, and the world, when all anti-christian power shall be annihilated, the Jewish nation restored to the divine favour, and the kingdoms of this world shall become the kingdoms of Jehovah and his Christ. He shews from the same prophecies, that very calamitous events will precede this glorious state of things, which will particularly affect those parts of Europe that were formerly parts of the Roman empire, or have been subject to the Papal power, or concurred in oppressing the Jews in that state of dispersion, or that may hereafter endeavour to prevent their return and settlement in their own land. He views the great prevalence of infidelity as a definite mark or sign of those times that are to precede the second coming of our Lord; Luke xviii. 8. *When the son of man cometh, shall he find faith in the earth?* He observes a little before, "That those great troubles, so frequently mentioned in the antient prophecies, are now commencing, I do own I strongly suspect, as I intimated the last time that I addressed you on this occasion; and the events of the last year have contributed to strengthen that suspicion; the storm, however, may still blow over for the

the present, and the great scene of calamity be reserved for some future time, though I cannot think it will be deferred long." From all these considerations, he strongly enforces the duties of repentance, faith, and dependence on Divine Providence. In the Appendix, he has inserted some very pertinent extracts from Dr. Hartley's Observations on Man, and a sermon which had some time before been delivered in the chapel of Trinity College, Cambridge.

A few weeks after, our Author took leave of his congregation at Hackney, in a discourse from Acts xx. 32. entitled, *The Use of Christianity, especially in difficult times; a Sermon delivered at the Gravel-pit Meeting in Hackney, March* 30, 1794. *Being the Author's Farewell Discourse to his Congregation.*

This discourse is pathetic and affecting. Our Author considers the slight and precarious tenure of all human enjoyments and connexions, the many disappointments he had experienced, the derangement of his plans, and unexpected changes in his situation. He consoles himself and his flock under these trying circumstances, with the views and hopes that Christianity affords, recommends patience, forbearance

bearance and forgiveness, and a constant attachment and adherence to the principles of Dissenters and Unitarians. He expresses his satisfaction in the choice of Mr. Belsham as his successor, and concludes by addressing a few words to the many strangers who were present, shewing the moral tendency and innocence of Unitarian doctrine, and exculpating himself and his friends from having, in any respect, favoured sedition, or given any just ground for the calumnies and aspersions of their adversaries. The Appendix contains our Author's letter of resignation, with the reply of the congregation at Hackney to it, and addresses from the young men and young women, who attended lectures on the subject of naral and revealed religion; from the Unitarian Society, subscribed by the Rev. Mr. Lindsey as chairman, and from the united congregations of Protestant Dissenters at Birmingham. These addresses testify the highest good will and esteem for our Author, lament the depraved and malignant spirit of the times which occasioned his departure from England, and express the warmest wishes for his future happiness and prosperity.

Dr. Priestley's last publication in England, was a valuable and important work, entitled, *Discourses on the Evidence of Revealed Religion.* London, 1794.

These Discourses are affectionately dedicated to the Rev. Thomas Belsham, Tutor in Divinity in the New College, Hackney. Though the subject of these had been discussed by our Author before in several excellent compositions, of which an account has been given, yet as it is of vast extent, prime importance, and capable of various methods of illustration, our Author's labour upon it cannot be considered as superfluous, but highly necessary, reasonable and proper, to counteract the alarming progress of infidelity, more especially when he was about to take his leave of his native country.

The subject of the first Discourse is, *The Importance of Religion to enlarge the Mind of Man.* Here our Author evinces, in a strain of powerful argument, enforced with animated language, that the belief of a God, a Providence, and an actual state of things, has a natural tendency to improve the human mind, extend its comprehension, and raise it to the highest pitch of elevation; to produce an habitual

devotion, and the sublime virtues of patience, meekness, forbearance and forgiveness: that the meanest and most unlearned Christian, possessed of these ennobling views and useful virtues is, and must be, superior to the best informed unbeliever. He shews (p. 17, 18) the danger of rejecting Christianity, and the debasement of character that is generally attendant upon it.

In the second Discourse, that revelation is the only remedy for idolatry and superstition, is shewn from the state of the Heathen world, and the lapses that large bodies of Christians themselves have made unto these lamentable errors, by not attending to the light of divine truth. The signal supernatural attestations by which the Jewish revelation was authenticated, in the deliverance of the Israelites from Egyptian bondage, the delivery of the law from Mount Sinai, the travels of the Jews in the wilderness, and their wonderful settlement in the land of Canaan, in the time of Joshua, are detailed in the third, fourth, and fifth Discourses. The sixth Discourse, contains general observations on the divine mission of Moses; at the end of which, some large and apposite quotations are introduced from the book

of

of Deutronomy. The seventh treats of the miraculous events from the time of Joshua to the Babylonish captivity. The eighth respects the prophecies concerning the dispersion and restoration of the Jews, in which the most material passages occurring in the Pentateuch and Prophets concerning these astonishing events, are inserted.

In the ninth and tenth Discourses, a concise but highly credible account is given of the miracles of Jesus and those of his Apostles. The last of these concludes in these words :....." On this firm basis, my Christian brethren, stands our faith; and surely it stands upon a rock. It only requires an unbiassed mind, and especially a freedom from those vicious dispositions and pursuits which chiefly indispose men to the duties enjoined by the gospel, to perceive its evidence, and embrace it with joy." The eleventh Discourse treats of the resurrection of Jesus, and the twelfth contains a view of revealed religion. These two last had formerly been published separately by our Author, and are here re-printed, as having a natural relation to the subject.

The Appendix contains, 1. The Preface to the Discourse on the Resurrection of Jesus. 2. An

Address

Address to the Jews prefixed to the same Discourse. 3. The Preface to the Discourse, containing a View of Revealed Religion. 4. Dr. Priestley's Correspondence with Mr. Gibbon, relating to the proposed Discussion of the Evidences of Christianity contained in Part 1st, of the general conclusion to the History of the Corruptions, &c. little to the *credit*, but very agreeable to the character of that Unbeliever.

We now find Dr. Priestley safely landed on the American shore, happily free from the unmerited abuse, malignant aspersions, and insidious machinations of his enemies; though not without some trials to exercise his patience, even in this land of civil and religious liberty. The first thing he did in the literary line, (after replying to some friendly congratulatory addresses) was to re-print his *Appeal*, *Familiar Illustration*, *General View*, &c. with his Fast-day Sermon in 1794, Farewell Discourse at Hackney, and *Letters to the Philosophers and Politicians of France;* to which are prefixed, *Observations on the Cause of the General Prevalence of Infidelity*, which *Observations*, as they were afterwards re-printed and enlarged by our Author, we shall not stop to give an account of it at present.

These

These re-publications were well calculated to give the Americans an idea of his general principles, and reasons for leaving his native country. To the American edition of the *Appeal* is prefixed a short, but judicious and suitable Preface, bearing date Philadelphia, June 30, 1794.

His next literary labour in this country was, *An Answer to Mr. Paine's Age of Reason, being a Continuation of Letters to the Philosophers and Politicians of France, on the Subject of Religion; and of the Letters to a Philosophical Unbeliever.*

This publication contains three additional Letters to the Philosophers, &c. of France, viz. Letters 7, 8 and 9, by mistake printed 6, 7, 8. The seventh treats of the best method of communicating moral Instruction to Man; the eighth of Historical Evidence, and the ninth, of the Evidence of a future state. These three Letters are a very proper Sequel to the six former ones, and it is hoped may have had some good effect upon some individuals in France, if not upon the nation in general or its rulers.

The Letters to a Philosophical Unbeliever, Part III. are seven in number, and the subjects of them are as follows: 1. Of the Sufficiency of the Light

of

of Nature, for the Purpose of moral Instruction. 2. Of the Nature of Revelation, and its proper Evidence. 3. Of the Object of Christianity, and of the History of Jesus. 4. Of the proper Origin of the Scheme of Christianity, and Antiquity of the Books of the New Testament. 5. Of Mr. Paine's Ideas of the Doctrines and Principles of Christianity. 6. Of Prophecy. 7. The Conclusion. Under these seven general heads, Dr. Priestley has sufficiently confuted the first part of Mr. Paine's Age of Reason, (the second part was not then published) and exposed his quibbling arguments, ignorance, unacquaintedness with the style of the scriptures, and the customs of antiquity. Upon the whole, from a want of the necessary qualifications, and above all from a want of devotional sentiment, Mr. Paine was no more qualified to judge of the value and merit of the scriptures, or the proper evidence of revelation, than a blind man is qualified to judge of colours, or a deaf man of sounds. This piece was re-printed at London in 1795, with a large Preface of 37 pages, by Mr. Lindsey, expressive of his esteem for Dr. Priestley, giving an account of his situation in America, and defending

fending him from the calumnies and aspersions of his adversaries.

In 1796 and 1797, our Author delivered in Philadelphia, to very considerable audiences, a number of discourses in defence of divine revelation, which he afterwards published in 2 vols. 8vo. entitled, *Discourses relating to the Evidences of Revealed Religion, delivered in the Church of the Universalists, Philadelphia, and* (Vol. I.) *published at the request of many of the Hearers.* Philadelphia, 1796-97.

The first volume of these Discourses is dedicated to John Adams, Vice-President of the United States of America, betwixt whom and our Author a sincere friendship at that time subsisted, and who had been one of his constant hearers. The Preface contains some curious extracts from the third volume of *Asiatic Antiquities*, one of which relates to the Afgans, a people in the East-Indies, whom Sir William Jones supposes to be the descendants of the ten tribes carried into captivity by the Assyrians. These Discourses may be considered as a continuation of, or sequel to those published at London when our Author left England, and are in themselves highly valuable, and were calculated to have a very good

effect

effect in a country that had begun to be tainted with the infection of infidelity. They exhibit the following subjects, Vol. I. Serm. 1. The Importance of Religion. Serm. 2. Of the superior value of Revealed Religion. Serm. 3, 4. A View of Heathen Worship. Serm. 5, 6. The Excellence of the Mosaic Institutions. Serm. 7, 8. The Principles of the Heathen Philosophy compared with those of Revelation. Serm. 9, 10. The Evidence of the Mosaic and Christian Religions. Serm. 11. The Proofs of Revealed Religion from Prophecy. Serm. 12. Internal Evidence of Jesus being no Impostor. Serm. 13. The moral Influence of Christian Principles.

Vol. 2.

Serm. 1. (in two parts) The moral Design of Revelation. Serm. 2. (in four parts) Of the Authority assumed by Jesus, and the Dignity with which he spoke and acted. Serm. 3. (in two parts) The Doctrine of Jesus respecting Morals. Serm. 4. (in two parts) The Doctrine of a Resurrection, as taught by Jesus. Serm. 5. (in six parts) Of the Principles and Evidences of Mahometanism compared with those of Christianity. Serm. 6. (in two parts) The Genuineness of the Book of Daniel, and his prophetic

phetic character, vindicated. Serm. 7. (in two parts) Of the Prophecies concerning Antichrist. Appendix I. A Note concerning the figurative language of the Prophets and the sacred Writers. 2. Of the Influence of Mahometanism.

The same year in which the last volume of these Discourses appeared, our Author published, *Observations on the Increase of Infidelity, 3d edition. To which are added, Animadversions on the Writings of several modern Unbelievers, and especially the Ruins of Mr. Volney.* These Observations had made their appearance before in a more contracted form, and connected with other publications. They are here considerably enlarged, and contain many just and striking thoughts on the state of mind and habits of life, which either lead men to infidelity, or preserve them from it. Various quotations are introduced from the correspondence between Voltaire and D'Alembert, in order to exemplify the spirit and moral influence of infidelity; which do little credit to the cause itself, or its two famous champions and supporters. Some passages are quoted, p. 132, from Mr. Volney's *Ruins*, which savours of Atheism, or a very sceptical turn of thinking, and are justly

animadverted upon by our Author. Excellent cautions and advices are given to rational Christians to conduct themselves aright during the present prevalence of infidelity, to view the subject in a serious and proper light, to set a just value on their religion, to derive comfort from it, and act according to it. In the Appendix, Mr. Volney's assertions concerning the theology of the ancient Egyptians, and the antiquity of the world, is examined, and Mr. Freret's account of the condition of the primitive Christians is considered.

In consequence of the notice taken of the writings of Mr. Volney in the preceding work, that writer, who was then residing in America, addressed a letter to our Author, which, by his account of it, appears to have been written with a considerable degree of peevishness and ill-humour, if not bad breeding. There was nothing so particularly harsh, I apprehend, in Dr. Priestley's censures, as to require a style of this kind. But infidels are a *genus irritabile*, as well as poets, and though liberal enough themselves in sarcasm and reproach, are angry if they meet with any in return. Our Author replied to him in a smart little pamphlet, entitled, *Letters to Mr. Volney*,

ney, occasioned by a work of his, entitled, Ruins, and his Letter to the Author. Philadelphia, 1797. In the first letter, our Author repels the censures of Mr. Volney. In the second, he shews the pernicious tendency of infidelity, and the bad effects that Mr. Volney's book, though destitute of any thing approaching to solid argument, yet recommended by the splendour of his imagination and fascinating charms of his diction, may have upon the minds of young and unthinking persons, by inducing them to reject the belief of a God, a Providence, and a future state, and to follow their prevailing inclination, whatever it be, under the pretence of following their only professed guide, nature. The third and fourth letters treat of the being of a God, and the evidences of revelation: and in the fifth letter, he reduces the several articles in dispute to the form of queries, eleven in number, which he proposes to Mr. Volney for his solution.

When our Author had delivered, in Philadelphia, the series of Discourses contained in his first volume to a mixed assembly, he thought it became him, as a man of sincerity and candour, to give some account of his own particular tenets, and to advise

those

those who concurred with him in opinion, to form themselves into religious societies for divine worship and mutual edification. To effect this purpose, he preached and published a sermon, entitled, *Unitarianism explained and defended, in a Discourse delivered in the Church of the Universalists at Philadelphia*, 1796. Philadelphia, 1796.

In the Preface, he gives an address to the congregation, which he delivered after he had concluded his Discourses before mentioned, and proper advice to such conscientious Unitarians as cannot join in Trinitarian worship. His text is from Acts xvii. 18-20. At his first landing in America, having been excluded from every pulpit (except Princeton, where he was desired to preach) he considers his situation resembling very much that of Paul at Athens, described in his text. After reciting those points of religion which are of the highest importance, and held by all Christians, he mentions that there are other religious truths, though not of primary, yet of secondary, and of considerable importance, on which, for various reasons, he has thought it his duty not to be silent, especially in an age abounding with unbelievers. He observes, p. 7, that "Christianity,

tianity, besides being proved to be true, and indeed, as a necessary step in the proof of its truth, must be shewn to be *rational*, such as men of good sense can receive without abandoning the use of their reason, or making a sacrifice of it to what is called *faith*. The Author of our religion required no such sacrifice. He required of his disciples, that they should both *hear and understand* (Mark vii. 14.) what he delivered, which implies that he taught nothing that they were not capable of understanding, and which it was not their duty to endeavour to understand." He enlarges more particularly on the idolatrous *worship* of Jesus Christ, as God equal to the Father, the doctrine of the Trinity connected with it, and that of atonement, as the chief and most signal corruptions of Christianity, and the most obstinately retained; though he takes notice of the doctrines of predestination and original sin. He proposes and enforces the scriptural arguments by which the personal unity of God, the placability of his nature, and the proper humanity of Christ, are supported, and concludes with giving his assent in the fullest manner to the opinion of the final happiness of all the human race, maintained by the minister and congregation in whose

whose place of worship he delivered this discourse.

An Unitarian society having been formed at Philadelphia, on the plan recommended by our Author, he published in the following year a small pamphlet, entitled, *An Address to the Unitarian Congregation at Philadelphia, delivered on Sunday, March* 5, 1797. Philadelphia, 1797.

In this little, animated, affectionate piece, our Author expresses his great satisfaction at the conduct of the members of this congregation, who, without waiting for the concurrence of the great, the wealthy, or the learned, or even that of any considerable number of persons of any class, had formed themselves into a society professedly *Unitarian*, in a part of the world in which no such thing existed before. He congratulates them on their freedom from penal laws, and that in this country the denying of the doctrine of the Trinity is not deemed to be *blasphemy*, punishable with confiscation of goods and imprisonment, as in England. While he inculcates upon them a just zeal for their own peculiar principles, and a steady adherence to them, he recommends a still greater attachment to the common principles of Christianity. He exhorts them to respect

spect all Christians as such, and to be ready to inform them in a modest and respectful manner. He exposes the superstition of those who think that ministers, *regularly ordained*, are indispensably necessary to the constitution of a religious society, or the administration of Christian ordinances. He recommends to his Unitarian brethren the greatest purity of character, a constant attendance on public worship on the Lord's-day, a strict care in the instruction of their children, and to forbear entangling themselves in the political concerns of this country. What a pity, that a religious society so formed, and having such an instructor, should have been of short duration. The yellow fever is said to have diminished their number and scattered them: but surely there was a *remnant left*, whose duty it was to support divine truth, and keep up all the ordinary forms of public worship, without which no sect can be expected to prosper, or their tenets make any considerable progress.

The same year our Author published, *An Outline of the Evidences of Revealed Religion.* Philadelphia, 1797.

The

The use and intention of this valuable little Tract, is well expressed in the two first sentences of the Preface. "When any controversy becomes very extensive, and of course complicated, branching itself out into many parts, the connection of which is not easily perceived, it is of great use to have a general outline of the whole; shewing the mutual relation of the parts, and their respective importance. This I have here endeavoured to do with regard to the evidences of divine revelation." This Tract is divided into six sections. 1. Of the Nature of Evidence, as applicable to this Inquiry. 2. Revelation not antecedently improbable. 3. The external evidence of Divine Revelation. 4. The Evidence of the Resurrection of Jesus. 5. The internal Evidence of the Jewish and Christian Revelations. 6. Various Objections to the Jewish and Christian Revelations considered.

Our Author also published, during his residence in Philadelphia this year, *The Case of poor Emigrants recommended, in a Discourse delivered at the University Hall in Phildadelphia, on Sunday, February* 19, 1797. Philadelphia, 1797.

Every

Every topic that could well be devised to awaken sympathy, or excite liberality, is here employed by our Author, in favour of emigrants that are in destitute circumstances, and stand in need of relief. He particularly considers the cases and situations of emigrants from Great Britain and Ireland; and reminds the Americans, that if not themselves, yet most certainly their ancestors, were strangers as well as they. Nor does he omit to take notice of the state of emigrants from France, the West Indies, and other countries, but recommends them all to the charitable assistance of their fellow creatures, whatever their political or religious principles may have been.

During the course of the year 1798, I find nothing published by our Author on the subject of theology; but as he did not know what it was to be idle, and never withdrew his attention from serious and important matters; he was then employed in collecting and arranging materials for a learned, ingenious, and elaborate work, which made its appearance in the following year, entitled, *A Comparison of the Institutions of Moses with those of the Hindoos and other ancient Nations; with Remarks on Mr. Dupuis's Origin of all Religions, the Laws and In-*

stitutions of Moses methodized, and an Address to the Jews on the present state of the World and the Prophecies relating to it. Northumberland, 1799.

This work is respectfully dedicated to the Duke of Grafton. The Author, in the Preface, makes honourable mention of Dr. Andrew Ross, who, he says, chiefly furnished him with the materials of his work, and shewed much zeal in promoting it. He gives a list of the titles of some of the books quoted in the work, and proposes a plan for a continually improving translation of the scriptures, with rules of translating.

This publication, so far as respects the Hindoos, is divided into twenty-four sections, with an Introduction. The contents of these sections are as follow: 1. Of the Antiquity of the Hindoo Nation and Religion. 2. Points of Resemblance between the Religion of the Hindoos and that of the Egyptians, Greeks, and other western nations. 3. Of the Vedas and other sacred books of the Hindoos. 4. Of the Agreement of the Hindoo Principles and Traditions, and those of other ancient Nations, with the writings of Moses. 5. Of the Creation, and the general Principles of the Hindoo Philosophy. 6. Of the

Hindoo

Hindoo Polytheism and Idolatry. 7. Of the Religion of Egypt. 8. Of the Religion of the Schamans. 9. Of the different Casts among the Hindoos. 10. Of the Bramins. 11. Of the Prerogatives of the Mings. 12. Of the Situation of Women among the Hindoos. 13. Of the Devotion of the Hindoos. 14. Of the Restrictions of the Hindoos and other ancient Nations with respect to Food. 15. Of the Austerities of the Hindoos and others Heathen Nations. 16. Of the Hindoo Penances. 17. Of the Superstition of the Hindoos and others for the Cow, and also for the Elements of Fire and Water. 18. Of the licentious Rites of the Hindoo and other ancient Religions. 19. Of Charms and fortunate Times. 20. Of Trial by Ordeal. 21. Of various kinds of Superstition. 22. Of the Devotion of the modern Jews. 23. Of the Hindoo Doctrine of a future state. 24. Concluding Reflections.

Many strange and curious particulars are detailed under these different heads. The sections that appear to be the most interesting are, the 3d, 4th, 5th, 6th, 8th, 10th, 13th, 22d and 23d. The masterly observations of our Author interspersed in the work, and particularly the *concluding reflections*, must

must satisfy every inquisitive and truly impartial reader, that the institutions of this nation, so celebrated for its antiquity and extolled by sceptical writers, as well as those of all other Heathen nations, on a fair and just comparison, fall beyond measure short of the excellence, purity, and simplicity of the Mosaic doctrines and institutions; authenticated by a long train of stupenduous miracles performed in the presence of multitudes, confirmed by prophecies continually fulfilling, and worthy of the God from whence they derive their origin.

Our Author, in four sections, confutes the absurd paradoxes of Mr. Dupuis; and in the Appendix, the whimsical allegories of Mr. Boulanger, and gives an useful scheme of the Mosaic laws and institutions in fifteen parts, with references to the scriptures, to which a proper introduction is prefixed. The whole concludes with a solemn, affecting address to the Jews on their approaching glorious restoration, with a detail of some remarkable prophecies concerning it; and the mournful but happy change that will take place in their sentiments respecting Jesus and his religion, when this astonishing but certain event shall be accomplished.

Our

Our Author's next publication was, *An Inquiry into the Knowledge of the antient Hebrews concerning a future State.* London, 1801.

The manuscript of this piece had been sent over to England, and was published by the Rev. Mr. Lindsey, with a Preface, in which an extract is inserted of a letter from our Author, giving an account of his situation in America, accompanied with some general remarks on the subject of the Pamphlet. It is well known to those who are acquainted with the state of theological controversy in England, in the last century, that Bishop Warburton, the Author of the Divine Legation of Moses, has endeavoured to form an argument for the divinity of that legation, because the doctrine of immortality was not urged upon the Jews as the sanction of their ritual; and that different learned men, such as Doctors Sykes, Jortin, Stebbing, Hodge, &c. have adopted and defended opposite opinions with respect to the ancient Hebrews having, or not having had, a knowledge and expectation of a future state; and that some of these writers have been apt to apply critical violence to some passages of scripture, in order to adapt them to their favourite theories.

I have

I have met with no piece on the subject, that gives a clearer, more concise and candid account of this controversy, or which offers a better defence of the opinion of those who think that the ancient Jews had a real and certain knowledge of a future life, than a Treatise of Mr. Stephen Addington's, entitled, *A Dissertation on the Religious Knowledge of the antient Jews and Patriarchs; containing an Inquiry into the Evidence of their Belief, and Expectation of a future State*, 4to. London, 1757. This Treatise, however, though very full and complete, cannot be supposed to supersede our Author's useful labours on the same subject; besides, at this distance of time, it is probably very scarce, and not so well known as it deserves to be.

In discussing the subject before mentioned, Dr. Priestley pursues the following plan in five sections, there being no third section. 1. Presumptive arguments in favour of the antient Hebrews having the knowledge of a future state. 2. Of the allusions to a future judgment in the books of the Old Testament. 4. Of the belief of the antient Hebrews in a Resurrection. 5. Of the doctrine of the book of Job. 6. Of the fate of the wicked at the Resurrection.

tion. The passages from scripture, and the apocryphal books respecting the point in hand, are carefully collected, and arranged with judgment and propriety; and there is a pertinent quotation introduced from Josephus. A small piece is added to this work, called, *An Attempt to explain the Eighteenth Chapter of Isaiah.* About the time this *Attempt* was written, a gentleman in England, of some rank, had explained this chapter as respecting the French invasion of Egypt under Bonaparte, and Bishop Horsley, in a learned and critical Dissertation on the chapter, had endeavoured to confute his interpretation. For once we find Dr. Priestley and Bishop Horsley nearly agreed in opinion. Our Author considers the chapter as having no particular relation to Egypt, but as a prophetical denunciation of the judgments of God upon the nations, even the most distant, who had concurred in oppressing the Israelites, and a declaration of their future happy return.

The following year our Author published a Tract, called, *A Letter to an Antipædobaptist.* Northumberland, 1802.

In this piece, Dr. Priestley does not enter into the scripture doctrine on the subject, which, he says, has

has been so often discussed, that nothing now can be well urged with respect to it; but confines himself to the evidence of what was the doctrine and practice of the primitive Christians, those who lived nearest to the time of the Apostles. He alleges presumptive evidence and more direct arguments from the writings of the Fathers in favour of the practice of infant baptism, answers objections to these arguments, relates the origin of Antipædobaptism, and treats of dipping or sprinkling, and of the obligation of the rite of baptism itself. He bears particularly hard upon the late Mr. Robinson, of Cambridge. Some of the quotations our Author has produced, appear to have peculiar force to prove, that infant baptism was a rite generally practised, and thought necessary by the primitive Christians. The controversy, however, is of great extent, and has been largely and fully discussed by Gale, Wall, Gill, Robinson, and many other writers, who have embraced different sides of the question.

In the same and following year, our Author published the continuation of his Ecclesiastical History, which he had been employed in composing or revising at intervals for some years before, entitled, *A General*

General History of the Christian Church, from the Fall of the Western Empire to the present time. 4 vols. 8vo. Northumberland, 1802-1803.

In the second edition of the two first volumes of this history, which were re-printed at Northumberland after the Author's death, an additional section is inserted in the eighth period, relating to the Pretensions to Miracles, which began to be advanced and to gain credit in the course of the fourth century. In this section, the whimsical and ridiculous miracles of Anthony, as recorded in his life written by Athanasius; and those of Gregory of Neocæsarea, and of Martin of Pannonia, as related by other writers, are particularly detailed as specimens of the credulity and delusions of the times. There are also other additions and improvements, consisting of paragraphs inserted in different parts of the work.

With respect to the four volumes of the continuation, though in my apprehension they in some places fall short of the former part, in vigour of imagination, fertility of sentiment, and sprightliness of style, yet the work in general is of great value and utility. Apart from the consideration that the Author was now far advanced in years, and had encoun-

tered the rugged storms of adversity, the subject itself in great part did not admit of an equal display of genius. The mystical theology, and intricate and often trifling disputation of the middle ages, when general darkness had overspread the Christian world, and cramped and enervated the power of the human mind, were ill calculated to give that elevation to a writer, which the splendid scenes that took place in the commencement and progress of Christianity naturally inspired. Dr. Priestley, however, has made the most of his subject, and with exemplary candour bestows commendation upon whatever appearances of piety, ability, and useful learning the dark ages could supply him with. The work is dedicated to Thomas Jefferson, President of the United States, in terms of high respect and esteem, with a deserved encomium on the merit of that great man, and expressing the Author's satisfaction in spending the last years of his life under his just and equal administration. The Preface is worthy of a christian and a philosopher, abounding in solid and masterly reflections arising from the subject of his history. He views the long continued errors and prejudices of the

Christian

Christian world with an eye of compassion, and appears willing to make the best apology he could for them; and considers the circumstance of christianity working itself clear from its corruptions, and returning gradually to its primitive purity and excellence, as an unequivocal mark of its divine origin. He gives an account of the writers who furnished him with the materials of his history, and a list of the titles of such books as are quoted by the names only of the writers.

The first volume contains three periods, viz. from period 14. to 17. inclusive, extending from A. D. 475 to A. D. 1099; and comprehending, besides less considerable articles and events, the history of Eutychianism and Arianism, that of the Monks, the state of Heathenism, Judaism, and Christian sectaries, the progress and propagation of Christianity, the advancing power of the Popes, the controversy occasioned by the Monothelites, that relating to the worship of Images, and concerning the sense in which Christ is the Son of God, the rise and progress of Mahometanism, the power of Bishops and state of the Clergy, the disorders occasioned

sioned by the ignorance, superstition, and rapacity of the times, the intercourse between the Greek and Latin churches on the subject of the patriarch Photius, which led to their final separation, the controversy concerning Predestination, various instances of the claims of the Popes to ecclesiastical and civil power, and of the opposition that was sometimes made to them, the character of the Clergy, and the history of the first Crusade.

The second volume includes three periods, viz. from 18. to 20. inclusive, extending from the taking of Jerusalem by the crusaders in A. D. 1099, to the conclusion of the council of Constance, A. D. 1418. This volume contains the following particulars. The History of the Crusades continued, and their termination. Also, a continuation of the articles relating to the state of the Jews, Monks, Clergy, &c. The schisms in the church, and the transactions between the Popes and the Emperors of Germany. The History of Thomas Becket, Archbishop of Canterbury. Of the Paulicians, and other sectaries whose principles were similar, or bore some relation to those of the Manichæans. Of the Alligenses and Waldenses,

Waldenses, their opinions, the steps taken against them, and the persecutions they endured. Of Arnold of Brescia and the famous Abelard, with an account of his book on the subject of the Trinity, and the mortifying retractation he was obliged to make. Of the metaphysical speculations of Gilbert of Poree, Peter Lombard, and various opinions that were advanced in these times. Of the transactions of the Popes with the Emperors of Germany; Peter, King of Arragon; John, King of England, and their contests with Lewis of Bavaria. Of the difference between Pope Boniface VIII. with Philip le Bel King of France, and with the family of Colonna. Of the rise of the Franciscans and Dominicans, and some particulars relating to the Orders of Mendicants. Of the progress of the Inquisition, the state of heresy and Infidelity, and some particulars concerning the superstition and fabulous histories of the times. The history of the *great schism* which took place in the Popedom on the death of Gregory XI. An account of the Military Orders, and the suppression of the Knights Templars. Of the Fratricelli or Spiritual Franciscans. Of the Reformers prior to Wickliffe.

An

An account of Wickliffe, his tenets, followers, and the martyrdom of Lord Cobham, and others in England, for embracing and defending his opinions. Of John Hus and Jerome of Prague, their sufferings and death, and the proceedings of the council of Constance respecting them. Of various opinions theological and moral, held by Thomas Aquinas, Duns Scotus, and others, that were the subject of discussion in these times. Of the intercourse between the Greek and Latin churches, and attempts to procure an union between them. Our Author gives occasionally an account of the state of literature and learned men; and p. 155, has inserted a poem in Latin rhyme, written by Hildebert Bishop of Mans, entitled, *Oratio ad Dominum.*

In the third volume, the subject becomes more interesting, a long night of darkness, delusion and superstition, was now *far spent*, and the dawn of a great and necessary reformation began to appear. This volume contains two periods, viz. the 21st, extending from the conclusion of the council of Constance, in A. D. 1418, to the Reformation, A. D. 1517; and the 22d, from the beginning of the Reformation

mation in Germany, A. D. 1517, to the conclusion of the council of Trent, in A. D. 1563. Under the 21st period, an account is given of the power of the Popes at this time, and the opposition that was made to it, of the transactions at the councils of Basil and Florence, Pisa and Lateran, of the Pragmatic Sanction, and Concordat of the Hussites, the long and cruel war they carried on, their defeat, and the rise of the *Unitas Fratrum*, or United Brethren; commonly called Moravians, of the attempts to unite the Greek and Latin churches, of various opinions advanced at this period, some of which are whimsical, but generally salutary and unfriendly to Popery, of Jetzer at Berne, and the imposture contrived by the Franciscans, of the clergy and monks, and articles relating to church discipline; and of miscellaneous articles, concerning the Waldenses and Jews, the propagation of Christianity, the Moors in Spain, the Turks, Unbelievers, Superstition, the Art of Printing, and the Progress of Literature.

Under the 22d period, after a recital of the gross abuses of the Romish church, and the depraved and scandalous

scandalous manners of many of its clergy, an account is given of the celebrated Martin Luther, and his proceedings in promoting the reformation. He was first roused to inquiry and exertion by the sale of *indulgences* in Germany by Tetzel and his companions, who had the authority of Leo X. then Pope, for this infamous traffic. Luther remonstrated against this shocking abuse with energy and effect, and proceeding step by step in his inquiries, was led by a gradual process to discover some of the most capital errors of the church of Rome. He did not fail to impart these discoveries to the public at large; and though at first he had his doubts, hesitations, and made some concessions and partial retractions, became in a few years a bold and decided reformer. When he made his appearance before the Diet at Worms, he resolutely adhered to his principles, and continued for more than twenty years afterwards to speak, act, and write, in favour of the reformation, with great intrepidity; and died peaceably in 1546, in a truly christian and edifying manner. Our Author has copiously detailed these and many other particulars concerning Luther, and connected with such

such circumstances as render them really interesting. He relates the various artifices, expedients, and denunciations employed by Leo and his successors in the Popedom, and the Emperor Charles the Fifth, to subvert Luther and his adherents, and crush the rising reformation, which by a concurrence of happy events proved abortive; the powerful and kind protection afforded Luther by Frederick, Elector of Saxony; the state meetings and public assemblies that were held in different cities of Germany, occasioned by the rapid spread of Luther's tenets, &c.; the rupture that had taken place in the Catholic church; the confessions exhibited by the Protestants at Augsburgh; the events of the war that followed some years after; and the establishment of a permanent toleration of Protestantism in Germany, at the Diet held at Ratisbon in A. D. 1559.

The names of Zuinglius, Calvin, Bucer, Melancthon, Carolstadt, Oecolampadius, and other champions of the reformation, are frequently mentioned, particularly the two first and Melancthon, whose merit in advancing it were very great; though Calvin stained his name much by being concerned in the prosecution and condemnation of Servetus.

An account is given of the reformation in Switzerland, the Low Countries, Spain, France, England, Scotland, Sweden, Denmark, Poland, Hungary and Transylvania, with a relation of the sufferings of some of the martyrs. The English martyrs are more particularly described than those of other nations. This period also contains a history of the council of Trent, the early Anabaptists in Germany, and their disorderly proceedings, the Waldenses, and Bohemian brethren, the Unitarians, among which occur the names of Lewis Hetzer, an Anabaptist, who appeared so early as the year 1524, composed a treatise against the Trinity, which was suppressed by Zuinglius, and was put to death at Constance, John Campanus, Claudius, the celebrated Servetus, whose writings and sufferings are particularly described, Andrew Dudith, Lœlius Socinus, Francis David, De Wit, latinized *Spiritus*, Modrevius, &c. and miscellaneous articles relating to the times.

From the above list of Unitarians (to which more names might be added) some of whom were writers and men of learning and capacity, it appears that the cause of the divine unity did not want able advocates

advocates at the earliest period of the reformation. It was not indeed to be expected from the nature of things, that the tenets of these men could spread over the Christian world in general at that time; when they were placed in disadvantageous situations, their writings suppressed or burnt, themselves seized and put to death or banished, and equally cried down by the Roman Catholics and the popular leaders of the reformation. But we find, that such of them as made their way to Poland and Transylvania, and enjoyed the benefit of toleration, did not fail to make an impression on the minds of persons both of upper and lower rank, and that they left behind them proselytes and successors distinguished by their learning and ability.

Our Author has prefixed a short Preface to the fourth and last volume, containing a few additional observations to the large Preface of the first, an account of Emanuel Swedenborg and his tenets, and a list of the titles of books quoted in it. This volume contains two periods, viz. the 23d, extending from the conclusion of the council of Trent in A. D. 1563, to the revocation of the edict of Nantes in A. D. 1685; and the 24th, from the revocation of the

the edict of Nantes, in A. D. 1685, to the present time A. D. 1802. Under the 23d period, an account is given of the Popes, and the general character and state of the Catholic church; of the missions for the propagation of religion in the East Indies, China, Japan, Abyssinia, &c. by the Catholics and Protestants; of the controversies in the church of Rome respecting the power of the Pope, and the tenets of the Jesuits, Jansenists, &c.; of the religious orders and miracles ascribed to St. Anthony; of the Eastern churches, viz. the Greeks, Georgians, Mingrelians, Russians, Monophysites or Jacobites, Armenians, Nestorians, and Maronites; of the Protestants in the Valteline, the Waldenses, and the Bohemian brethren; the shocking massacres of the first by the Catholics, and the general persecution of all; of the Lutherans, their principles, and forms of church government; of the reformed who embrace Calvin's doctrines and discipline, and the difference between the system of Calvin and that of Zuinglius; of the Anabaptists, their tenets and discipline; of the Unitarians in Poland and Transylvania, their first simple catechism or confession of their principles, published

ed in 1754, * many of their excellent writings published in the Bibliotheca Fratrum Polonorum, containing the works of Socinus, Crellius, Slichtingius, and Wolzogenius; some particulars of the life of Faustus Socinus, his differences with Francis David; Simon Budneius denied the miraculous conception and was deposed; the troubles of the Unitarians, and their expulsion from Poland, the martyrdom of Bartholomew Legat and Edward Wightman, and the sufferings of other Unitarians in England; Mr. Biddle, his piety, learning, persecution, and death in prison; of the Protestants in France, the massacre of them at Paris and other cities, the war that followed, the edict of Nantes enacted in their favour by Henry the Fourth, their declining state, the revocation of the edict of Nantes, and the

* Many years afterwards the Unitarians published another Catechism at Racow, mentioned by our Author. This they improved in the following editions of it. The best and most perfect edition is that republished in 1680, with notes composed by, or extracted from their best writers. It is perhaps the only Catechism, or Confession of Faith, published by a public religious body of men, that attempts a proof of Christianity, or exhibits a system of doctrines in the form of argumentative demonstration.

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dreadful persecution that ensued; of the state of the reformed in the Netherlands and the United States; the controversy between the Calvinists and Arminians; the condemnation of the tenets of the latter at the synod of Dort; the institution of a benevolent Christian society called Collegiants; some visionary opinions; a curious dialogue between an Inquisitor and an Unitarian; of the state of the Puritans in England, the hard treatment they suffered in the reign of Elizabeth, and the various persecutions they endured for their non-conformity to the church of England, and conscientious adherence to their principles in the following reigns; of the Quakers, their tenets, discipline, peculiar practices, and firmness in bearing persecution; George Fox, a shoemaker in the north of England, the first of them whose name is known; William Penn, of England; and Robert Barclay, of Urie, in Scotland, their most celebrated writers; the former an Unitarian, and a strenuous opposer of the doctrine of atonement, and in company with his followers, the founder of Pennsylvania; of the state of religion in Scotland, in the reign of the Stuarts, and the cruel persecution and occasional resistance of the Presbyterians in that country,

country, in the time of Charles the Second; and of miscellaneous articles respecting literature, religion, infidelity, and Judaism.

The 24th period reaches to the present time, and contains the following particulars. The consequences of the revocation of the edict of Nantes; the sufferings of the Protestants, particularly their ministers, the inhuman cruelties exercised towards them; the war in the Cevennes, with the long continued resistance, gallantry, and military exploits of the Camisards. A detail of the lingering and protracted sufferings, and almost super-human patience of these excellent and distinguished martyrs, M. Marolles, Le Fevre, and P. Mauru, *of whom the world was not worthy*. General articles relating to the Roman Catholics; the superior character of the Roman Pontiffs at this time; various debates, discussions and innovations that took place in the Romish church; the measures taken by the National Assembly at the French revolution, in regard to the clergy, freedom of religion, and general toleration; the attachment of Gregoire, Bishop of Blois, to religion; the regulations and establishments of Bonaparte respecting religion; his constitutions a great improvement

ment on the former established religion of France, in many respects superior to that of England; but both infinitely inferior to the system adopted in the United States of America. The suppression of the Jesuits, their expulsion from all countries, and forlorn situation. The state of religion in Poland; events in Great Britain; the act of toleration granted to Dissenters at the revolution; the penal law enacted against Unitarians; oppressive acts made against the Dissenters in the reign of Queen Anne; the progress of free inquiry and liberality; the censures of Mr. Whiston's writings by the convocation, prevented from proceeding against him by the Queen; Dr. Samuel Clarke did not leave the church, or resign his benefice as Mr. Wharton did, though his opinions approached to those of the latter; Mr. Pierce, and other eminent Dissenters, became converts to the Arian doctrine; Dr. Lardner, an Unitarian; the doctrine of the proper humanity of Christ made its way into the established church; the petitioning clergymen, the Rev. Mr. Lindsey one of them, resigns his benefice, and institutes an Unitarian congregation in London, with a reformed liturgy; the application of Dissenters for relief of their grievances,

grievances, are exempted from subscription to any of the thirty-nine articles; the toleration granted to Roman Catholics; new, but unsuccessful applications of the Dissenters to Parliament, for the repeal of unequal and disgraceful laws; the refusal of Parliament, in 1792, to repeal the act of William and Mary against Unitarians; the Irish association and rebellion, and the union of Great-Britain and Ireland; the riots at Birmingham, and its consequences, briefly hinted at in a note; the Methodists; Mr. John Wesley's labours, tenets, and the discipline he appointed for his sect; he ordained bishops for the mission of North America, after the acknowledgment of its independence on England; the eastern churches, and the Lutherans and Moravians in Europe; a particular account of the proceedings and progress of the latter; the progress of infidelity; an account of the English Deists, Lord Herbert of Cherbury, Mr. Blount, Mr. Toland, Lord Shaftsbury, Mr. Collins, Mr. Woolston, Mr. Tindal, Dr. Morgan, the anonymous authors of *Christianity not founded on argument*, and *the Resurrection of Jesus considered*, Mr. Chubb, Lord Bolingbroke, Mr. Hume, Mr. Gibbon; and of the French unbelievers,

Voltaire, Freret, *Systeme de la Nature*, Volney, Dupuis, with proper and seasonable reflections; the state of religion in the United States of North America; the opinions and conduct of the first settlers, and the general harmony and good neighbourhood that prevails among all the numerous sects and parties at present, in consequence of the exclusion of any establishment of religion in the general constitution. It is noted, p. 375, "that Unitarianism has of late made great progress in Boston and its neighbourhood, without exciting any alarm, though it is regarded with abhorrence almost every where else." Miscellaneous articles relating to the Quakers, Jews, Batavian republic, state of literature; an account given of Mr. Emlyn, his prosecution, trial, imprisonment and sufferings in Ireland, for writing in defence of the Unity of God, with the inscription on his tomb; the conclusion, with interesting observations suitable to the history, respecting the corruption and renovation of genuine Christianity; the progress of Unitarianism among the Dissenters in general, and even of late among the Methodists, and on the continent of Europe; subscription to articles of faith, the temper of the martyrs, and the disinterested

rested conduct of some persons who have made great sacrifices to truth and integrity; a chronological table of events, and a view of the succession of the Popes and principal temporal Sovereigns, is added to this last volume. I leave this subject with observing, that the former part of this Church history, lately re-printed, with the continuation, forming together a complete and uniform work in six volumes, 8vo. is a truly valuable acquisition to the republic of letters, and deserves the perusal of all the friends of Christian literature.

While the last volume of the Church History was in the press, our Author having visited Philadelphia, for the last time published in that city a Tract, entitled, *Socrates and Jesus compared.* Philadelphia, 1803.

A contrast or comparison between Jesus and Socrates, had been attempted before by John James Rousseau, and by a pious and eminent dissenting divine, Dr. Toulmin, to whom the above mentioned Tract is dedicated: so that our Author was by no means singular or original in the thought. It may deserve however to be considered with what propriety such comparisons are made, and on what princi-

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ple they can be vindicated. Properly speaking, to a confirmed and decided Christian, no comparison can be proposed between the super-naturally illuminated Jesus, the ambassador of God's grace and mercy to sinful men, and Socrates: the disparity is so great between the man to whom the spirit was imparted without measure, and in whom the fulness of divine wisdom and divine power dwelt, who authenticated his celestial mission by miracles, and confirmed it anew by his well attested resurrection from the dead; and an uninspired Heathen, who had nothing to guide him but nature's light, scattered tradition, Grecian philosophy, with his own good sense and honest disposition; that no striking point of resemblance appears on which a legitimate comparison can be founded, and any attempt of that kind seems, at least, superfluous and nugatory.

But with respect to unbelievers, the case is different: in their calendar, Jesus and Socrates are of equal rank, and stand on the same ground as moralists, philosophers, and public instructors; and a fair comparison may take place between them. If it shall be found then, after an impartial scrutiny into, and examination of the pretensions, doctrines, sentiments,

ments, life and character of each, that a *superlative* preference must be given to Jesus in every respect, though he lived in a country far less improved by science, philosophy, and polite literature, than Socrates did, the consideration may well strike an unbeliever with astonishment, arrest his progress in scepticism, excite him to a serious, careful, and impartial investigation of the evidences of Christianity, which may terminate in a cordial assent to its truth, produce a life of active piety and virtue, and secure a blessed immortality as the happy consequence of all.

With this last view, I apprehend, Dr. Priestley instituted his comparison of Jesus and Socrates; and indeed this is sufficiently obvious from his manner of treating the subject, and particularly from the concluding inferences, p. 48, &c. Our Author has extracted his authorities, for the account he gives of Socrates, chiefly from the *Memorabilia* of Xenophon and Plato's writings. These eminent writers were the cotemporaries and disciples of Socrates, and furnish sufficient materials for the subject. This Tract is divided into nine sections, the contents of which are as follow: 1. Of the Polytheism and Idolatry of Socrates.

Socrates. 2. His Sentiments concerning the Gods and their Providence. 3. Of the excellent moral character of Socrates. 4. The Imperfection of his Ideas concerning Piety and Virtue in general. 5. Of Socrates's Belief in a future state. 6. Of the Dæmon of Socrates. 7. Of the Character and teaching of Socrates compared with those of Jesus. 8. Of the different Objects of the Instructions of Socrates and of Jesus. 9. Inferences to be drawn from the Comparison of Socrates and Jesus.

The comparison as it may be supposed, with respect to God, his attributes, providence, and a future state, moral and devotional sentiment, purity of character and life, manner of teaching and instructing mankind, and the effects and consequences, turns out eminently to the advantage of Jesus. The scriptures are pertinently quoted and applied, and such observations occasionally introduced through the whole, and strongly enforced in the last section, as seem well calculated to impart joy to the true Christian, and raise uneasy sensations in the minds of obstinate unbelievers who have any remains of candour left. But it is to be lamented, that in this giddy, sceptical age, serious argument in favour of religion

religion is little regarded, and without attention to the subject, no good can be done even by the most ingenious and useful performances.

The apparent good intentions of our Author in writing and publishing this Tract, did not exempt him from censure. The late Dr. Linn, of Philadelphia, a young Calvinistic divine of the Presbyterian denomination in that city, felt himself disposed to enter the lists with our Author, and gather laurels in the field of disputation. He possessed a poetical genius, and some good natural talents improved by education. Perhaps he thought he might gain some advantage over a distinguished champion now advanced in years, and that even a failure would bring him no great discredit. Perhaps, also, he might be prompted by a zeal for his own sect, and a desire to hinder the effect of Dr. Priestley's writings. But whatever were his motives, or his virtues, he certainly was deficient in candour. He perverts or mistakes the design of Dr. Priestley, and casts harsh and injurious reflections on the character of Socrates. On the appearance of Dr. Linn's pamphlet, Dr. Priestley published a reply, entitled, *A Letter to the Rev. John Blair Linn, &c. in defence of the Pamphlet,*

phlet, entitled, Socrates and Jesus compared. Northumberland, 1803.

In this letter, our Author explains his intentions in writing his former Pamphlet, which indeed were obvious before, vindicates the character of Socrates, and replies to Dr. Linn's objections. As Dr. Linn had asserted in his publication, p. 6, "that it was Dr. Priestley's ardent design to lower Jesus Christ from that infinite station to which he and a certain number of Christians to which he belonged, suppose him to be entitled," &c.; and in the same page had farther said, "You imagine Jesus to be less than God. I hold him to be God;" and in p. 30, "the most holy and eternal Jehovah," Dr. Priestley examines these assertions by the scriptures, and quotes several passages from the gospels, which clearly prove the contrary. In the conclusion, he expresses himself with peculiar energy and vehemence against the doctrine of the Trinity and that of atonement; being led to do so, perhaps, by the harshness with which Dr. Linn had charged the crime of idolatry upon Socrates, but more so, because he had been informed that some of his orthodox friends in England had imagined that he was returning to the faith in

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which he had been educated. He was therefore willing to leave what might be called his *dying testimony* to his faith in the proper unity and perfect placability of the God and Father of all, &c."....See p. 55.

Dr. Linn made his appearance in this controversy a second time in a pretty large pamphlet, composed in some places with great asperity, rudeness, and drollery. He endeavours to make good his charges against Socrates, and appears to lay great stress on the imperfection of Dr. Priestley's account of the *difference* between Socrates and Jesus, and censures harshly what he had advanced on the subject of the Dæmon. His defence of the orthodox notions of the divinity of Christ, and the doctrine of atonement, is exceedingly weak, and discovers great ignorance as well as bigotry. He crouds his pages with quotations from orthodox writers, as if the points in question were to be decided by authority rather than the scriptures. The passages of sacred writ which he does quote, he misapplies; and relies implicitly on the English version, without attending to the various readings and emendations proposed by learned men. If Dr. Linn had only used harsh language in that part of his pamphlet where he replies to Dr. Priest-

ley's strong declarations against the doctrines of the Trinity and atonement, it might have been excused on the principles of retaliation and necessary zeal, for what appeared to him to be the truth; but nothing can excuse the spirit of virulence and contemptuous insult that runs through the whole composition.

Our Author was in a very weakly state when this second publication of Dr. Linn reached him, and engaged in a composition that he wished much to finish. He however immediately wrote, and published a reply, entitled, *A Second Letter to the Rev. John Blair Linn, &c. in reply to his Defence of the Doctrines of the Divinity of Christ and Atonement.* Northumberland, 1803.

In this reply, our Author briefly vindicates his statement of the difference between Socrates and Jesus, and his motives in drawing the comparison; produces a passage from Xenophon in favour of Socrates, and the good character and behaviour of those who were his chosen companions and familiar friends, and remarks, that none of those whom Dr. Linn mentions under that character, were present at his death. He declares, that he professed not to have any

any fixed opinion with respect to the Dæmon of Socrates, and leaves the subject in the following words. "Whether Socrates was a little better, or a little worse, than he has been represented, is of little consequence to my object in writing, which I am sorry to find it is not in my power to make you understand." He sufficiently confutes what Dr. Linn has advanced in favour of the divinity of Christ and the doctrine of the Trinity, in those passages he touches upon, and refers to his small Tracts for others not particularly noticed. He states, in opposition to Dr. Linn, the rapid increase of Unitarians in England, and the congregations of that denomination in the eastern states of United America, with other facts. His observations on the doctrine of atonement are general, and he concludes with some account of the progress of his opinions, his conduct as a preacher and in controversy, and the extensive sale of some of his Unitarian Tracts. He takes notice in the beginning of this piece of Dr. Linn's rudeness and asperity, but treats him with much less severity than he deserved. It is remarkable, that this young violent controversialist did not survive Dr. Priestley

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above six months, and died at Philadelphia in the 27th year of his age.

The same year our Author published a Tract, entitled, *The Originality and superior Excellence of the Mosaic Institutions demonstrated.* Northumberland, 1803.

This valuable Dissertation is properly an Appendix to his Notes on the five books of Moses, and contained in the first volume of the *Notes on all the Books of Scripture.* But our Author printed it separately, from the benevolent purpose of giving it a more general circulation. No sensible person, divested of prejudice, can read it and the Preface, without acknowledging the justness of the title, and inferring from the originality and superiority of the laws and institutions of Moses, to those of all the nations with which they are compared, as well as the peculiar circumstances of the Jewish people, that the claim of their great Legislator to a mission from Jehovah, the God of the whole earth, was just and well founded.

Prior to our Author's death, a considerable part of the *Notes* mentioned in the preceding article were printed, the remainder were put to the press, and the whole

whole published by his son, Mr. Priestley, after that event, entitled, *Notes on all the Books of Scripture, for the Use of the Pulpit and private Families.* 4 vols. 8vo. Northumberland, 1803-4.

A pious and affectionate dedication is prefixed to this work, addressed to William Russel, Esq. and the other members of the congregation of Protestant Dissenters of the New Meeting at Birmingham.

In the Preface, abounding with useful and important matter, our Author informs his readers, that he made a considerable progress in this work when the riots at Birmingham took place, and destroyed a great part of what he had composed of these notes and transcribed for the press, and that having abundant leisure since his settlement in this country, he had re-composed those that were destroyed, and completed the rest in the best manner he could, being urged both by his own liking to the work, and the frequent requests of his friends in England. He modestly observes, p. viii. "Though I have spared no pains to make this work as perfect as I could, too much must not be expected from it, because my plan does not comprehend every thing. If *critics* and *scholars* look into it for the solution of all such difficulties

difficulties as they particularly wished to see discussed, they will be disappointed. These Notes will appear, from the account I have given of them, to have been composed for the use of *unlearned*, though liberal and intelligent Christians; for of such my congregations consisted. Nothing however, which such persons are much interested to know, I have passed without notice, whether I could explain the passages to my own satisfaction or not, and a few observations of a more critical nature I have added since; but which, if any minister, chuse to avail himself of my labour, he may omit or change, as he shall think proper. The same may be done by those masters of families, whose laudable custom it is to read portions of the scripture to their children and servants, and to those it is my wish more particularly to recommend what I have done."

From the account our Author here gives of the plan of his work, and his motives in composing it, it is obvious that he did not intend it so much for the use of the learned as that of liberal congregations, and intelligent private Christians. It is, however, doing no more than justice to say, that he has performed more than he promised. The scholar and

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critic, in perusing these Notes, will be gratified by improvements suggested to the common version of the scriptures, and by curious particulars occasionally interspersed relating to ancient customs, usages and manners. Our Author has not only availed himself of the remarks of former commentators, but has inserted from the narratives of late travellers such hints and observations as were calculated to throw light upon obscure passages, and his own good sense and general knowledge of biblical literature, has frequently led him to make striking and original remarks.

It cannot be expected that I should enter into a minute detail of a work of this nature, consisting of so many detached particulars. I shall therefore confine myself to a few general observations. Our Author justly considers Moses as the writer of the Pentateuch, or the five first books of the Old Testament. He thinks it not improbable that the account of the five first days of the work of creation, might be communicated to Moses by revelation. He thinks that *days* may not be literally meant, but certain portions or periods of time; and that it is highly probable that the creation of animals took place at different

different periods, that of the carnivorous, for example, long after the world was stocked with those of the graminivorous kind. His account of the dispersion of mankind, after their attempt to build the tower of Babel, and of the nations to which the names recorded by Moses bear relation, is very exact and particular. His observations on the Patriarchs, and the Iraelites their descendants, and their history, laws, and institutions as related in the five books of Moses, are pertinent and ingenious. The Dissertation before noticed, is placed at the end of the notes on Deuteronomy. The other historical books of the Old Testament, are illustrated with equal ingenuity. The Notes on the books of Job, Psalms, Proverbs, and Ecclesiastes, are moral, sentimental, devotional, and occasionally critical. Our Author considers the book called Solomon's Song, as a poetical composition, having no mystical or spiritual meaning. In the prophetical books, he endeavours to illustrate the sublime figures and allusions of the writers, and never loses sight of what appears to have been one great object of these compositions, viz. the happy return of the Jews from their great and general dispersion, their acceptance

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of Jesus as the Messiah, and the renovated state of the world after a period of great trouble and calamity. After the book of Ezekiel, a Dissertation is inserted, containing *General Observations on the Subject of Prophecy*. The historical prophecies of Daniel are also happily illustrated, but the last part of them can only admit of probable conjecture.

The Gospels are brought into the form of an harmony, but a table is placed at the end of the last volume to direct the place in which any passage may be found. The paraphrases on the discourses of Jesus, are taken from the Author's Harmony, before published in 4to. with many additional notes. In commenting on the first chapters of Matthew and Luke, our Author, with commendable delicacy, avoids explaining himself, particularly on the subject of the miraculous conception. The Notes on the Acts of the Apostles, as well as those on the Gospels, are very instructive and interesting.

Our Author's comments on the epistles of Paul and the other epistles, are judicious and practical, and the occasional paraphrases, by concentrating the sense and bringing it home to the heart, have a fine and edifying effect. On 2 Peter iii. 7, &c. he ad-

mits the possibility of the world being destroyed by fire, or any other means; but he adds, "the language of the apostle in this place is probably figurative, and only descriptive of those great changes in the state of the world which will precede the second coming of Christ, and the commencement of his proper kingdom. What follows, p. 544, &c. is well worth attending to.

Our Author bears a full and ample testimony to the authenticity of the Revelation. He does not differ materially from former commentators with respect to the seals, trumpets, and the different visions respecting the church, witnesses, and anti-christian powers represented by savage beasts. He considers Ch. xi. 12. as respecting the French revolution; and if so, and the last verses of this chapter be rightly placed, "that the sounding of the seventh trumpet will immediately follow the termination of the persecution of the witnesses, and the revolution which was co-incident with that event. See vol. 4, p. 509, &c. On Ch. xiv. 6, 7. where intimation is given by an angel of a purer state of the gospel, he observes, "These new preachers will probably be Unitarians, confining their worship to the one God,

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the maker of all things, and warning all people to keep themselves clear of every thing tending to idolatry, or any other worship than that of the God and the Father of Jesus Christ." He gives his conjectures concerning the vials, and intimates that the lamentation over Rome (Ch. xviii. 10, &c.) as if it were a commercial city resembling antient Tyre, may respect England. He thinks that Christ will make his personal appearance at the Millennium; that all who have suffered for his cause, and perhaps all good Christians, will reign with him, and assigns his reasons for thinking so at considerable length; but does not believe that all who do not share in the first resurrection will perish. He considers the invasion of Gog and Magog, mentioned by Ezekiel, and that by John in the Revelation, as relating to the very same persons and period of time; but different from the invasion described by Zechariah. He thinks that the expression, *being cast into a lake of fire*, Ch. xx. 15, as well as the literal sense of many passages of scripture, may denote the extinction or annihilation of wicked men, but that other reasons, which he states, may incline us to entertain the hope of the final restoration of the wicked by means

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of a course of discipline in a future state. See p. 661.

The new heavens and new earth, Ch. xxi. 1. "he thinks, can only mean a renewed and improved state of this earth, in consequence of which it will be so different from the present, as to deserve to be called a *new earth*:" but that pain, troubles and death, will be removed from this happy state. Through the whole work, our Author has been careful, where his subject led him to it, to enforce the arguments for the unity of God and proper humanity of Christ, as important and necessary points of Christian doctrine. On this, as well as on other accounts, these *Notes* appear to me to deserve the attention of intelligent Ministers and Christians in general, and to be extremely well adapted for the use of those Unitarian societies who are deprived of the advantage of a learned teacher. They are the only set of Notes on the *whole* bible, in our language, that can be properly called an Unitarian Commentary, and deserve to be classed with the Latin Annotations of Socinus, Crellius, Slightingius and Woltzogenius.

The last period of Dr. Priestley's life, and while he was in a state of great bodily weakness, was employed

ployed in composing a very important Treatise, published by his son after his death, entitled, *The Doctrines of Heathen Philosophy, compared with those of Revelation.* Northumberland, 1804.

This work is dedicated to the Rev. Joseph Berington, a Catholic priest in England, and to the Rev. William White, a bishop of the Episcopalian church in the United States. Our Author assigns a very handsome reason for this dedication. "Entertaining the highest respect for your characters, as men and as christians, I do it *because* we differ; to shew, with respect to a subject in which we are equally interested, as in that of this work, that I regard all that bear the Christian name, how widely distant soever their different churches and creeds may be, as friends and brethren, and therefore entitled, by the express directions of our common Saviour, to particular respect and attention as such."

The subjects of this Treatise, apart from the Tract, *Socrates and Jesus compared*, which is reprinted in it, are the following, viz. The state of religious and moral principles in Greece *before* the time of Pythagoras, consisting of an Introduction and six Sections. The Philosophy of Pythagoras, with

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an Introduction and four Sections. The Philosophy of Aristotle, with an Introduction and three Sections. The stoical Philosophy of Marcus Antoninus and Epictetus, with an Introduction and three Sections. The Philosophy of Epicurus, with an Introduction and three Sections.

It is obvious, that this work is an extension of the plan and object our Author had in view in composing his Tract concerning Socrates, &c. He has selected with care, fidelity, and candour, the most pertinent passages from the Heathen poets and philosophers respecting all the topics included in these Dissertations. He has judiciously exemplified their turn of thinking, and appears willing to do them the most ample justice. The appeals to scripture, and the sentiments of the sacred writers, are not so numerous as those in Socrates, but they are sufficient for the purpose; and in the conclusion, a brief summary is given of the sentiments of the more intelligent Greeks and philosophers that succeeded them, in which the manifest superiority of the Gospel of Jesus Christ, and the permanent good effects it produced in enlightening and reforming the world, are shewn. From this work it appears,

that

that Plato, Aristole, and other renowned sages of antiquity, were not so destitute of the knowledge of God, and of many points of moral duty, as of the right and consistent use and application of that knowledge. As the apostle Paul says, *when they knew God, they glorified him not as God, neither were thankful, but became vain in their imaginations, and their foolish heart was darkened. Professing themselves to be wise, they became fools, &c.* Plato, and indeed all the philosophers, recommend the observance of the idolatrous rites and ceremonies established by the laws of their country; and the former manifests the most intolerant sentiments against any who might attempt to institute a separate worship, and prescribes severe punishments to be inflicted upon them. Marcus Antoninus reduced this system to practice, and notwithstanding all his merit as a philosopher, was a cruel and unrelenting persecutor of Christians. The application and improvement of the whole subject may be made in the words of the apostle before quoted, 1 Cor. i. 21. *For after that, in the wisdom of God,* (by the display of the external phænomena of nature) *the world by wisdom,* (i. e. the exercise of reason or philosophy) *knew not God;*

God; (practically and effectually) *it pleased God by the foolishness of preaching*, (a doctrine of simplicity propagated chiefly by unlearned men) *to save them* that believe; that is, to effect a great and lasting reformation in the sentiments and practice of all who embraced the Gospel.

After our Author's death, there was printed at Philadelphia, a very useful composition of his, entitled, *Index to the Bible; in which the various subjects which occur in the Scriptures, are alphabetically arranged, with accurate References to all the Books of the Old and New Testaments, designed to facilitate the Study of those invaluable Records.* Philadelphia, 1804.

This publication is calculated to be of eminent service to those who have a relish for the scriptures, and who would wish to find readily the account of any fact, rite, ceremony, precept, &c. contained in those sacred books, without the trouble of much searching. A full account of the plan of it, and the Author's care in composing it, are given in the Preface.

Four Discourses, composed by our Author, were also published after his decease. The subjects of these

these are the following: 1. The Duty of Mutual Exhortation. 2. Faith and Patience. 3. The Change which took place in the character of the Apostles after the resurrection of Jesus Christ, in two parts. These Sermons are pious and practical, and cannot fail to have a favourable influence upon persons who read them with minds disposed to profit by the salutary admonitions contained in them.

Having now finished my review of our Author's theological publications, I shall close the subject with a few general reflections.

Dr. Priestley's choice of the Christian Ministry, and attachment to it as a profession, must have been founded upon motives of the purest kind, to have enabled him to support the difficulties and discouragements he had to encounter at his first appearance in public life. We have seen that he was far from being a popular preacher. Neither the principles he had espoused, the doctrines he taught, or his manner of address, were at all calculated to catch the giddy and unthinking, or even to recommend him to the esteem of serious and grave people who had embraced the Calvinistic system, at that time very prevalent among the Dissenters. But we do not find

that he ever dissembled, or even concealed his principles in conversation with his hearers; though he did not think it necessary to insist much upon them from the pulpit. A mind less ardent and less disinterested than *his was*, could hardly have borne the inconveniencies of a narrow and insufficient income with patience and serenity; but would have hasted to relieve itself by embracing an employment more lucrative, independent, and respectable in the world's estimation.

His active penetrating genius led him early to examination and inquiry, and consequently to make some considerable changes of opinion with respect to those doctrines in the belief of which he had been educated, and which were in themselves absurd and unscriptural. But if he was not precipitate or overhasty in making these early changes, he was still less inclined to abandon those tenets which he had adopted after mature examination, and which had any appearance of reason or scriptural authority to recommend them. He continued long attached to Arianism, and notwithstanding his respect for Dr. Lardner and his esteem for his writings, he could not prevail upon himself to embrace the Socinian system dur-

ing

ing the life-time of that writer, and did not become a convert to it, till after his decease.

His residence and intimacy with Lord Shelburne brought within his reach, and presented to his view, the prospect of political or ecclesiastical preferment; but he had the virtue and the fortitude to decline all connection with either, and continue a Dissenting Minister: and though he did not at that time statedly officiate in any congregation, he was always ready to afford his assistance to his brethren, and was as much engaged in theological studies and publications as at any other period of his life. Under two different administrations, overtures were made to him to accept a pension from government; but with a magnanimity peculiar to himself, and which has no example to countenance it in any other literary character of the age, he resisted the temptation, and preserved his independence. He accepted, however, assistance from distinguished and worthy private characters, and was by no means backward or reserved in expressing his gratitude for their donations.

No writer of the late century (Doctors Lardner and Leland excepted) wrote so much as he did in defence of Revelation, and under such a variety of forms:

forms: he has placed the evidence of Judaism and Christianity almost under every point of view that could strike or affect the mind, and nearly exhausted the subject: he has reduced unbelievers to the *dilemma* of either embracing Christianity, or accounting for past and present appearances in a satisfactory manner, which it is impossible for them to do, and none of them have even attempted it.

Though he could not be called an Orator in the popular sense of the word, the Discourses he has published are by no means destitute of energy or pathos, or that kind of eloquence which is calculated to have a good effect on a sensible and delicate mind, and in general may be recommended as excellent models of composition for the pulpit. He usually gave short and useful expositions of some portion of scripture before he delivered his sermons in public, and these expositions laid the foundation of his *Notes on all the books of Scripture*, of which the public are now in possession.

But his labours as a Christian Minister were not merely confined to the pulpit: he made the religious instruction of youth an object of his particular care in the different congregations over which he presided,

presided, arranged them into distinct classes according to their age and sex, and with much ingenuity adapted his method of teaching to their different capacities. He lived on the most friendly footing with the congregations of Leeds, Birmingham, and Hackney, which he successively served; and received the most ample testimonies from each * in favour of the utility and fidelity of his ministerial labours in general, and particularly of their grateful sense of his assiduity and diligence in forming the minds of their children, and leading them to the knowledge as well as the practice of Christianity. His prayers were fine pieces of devotional composition, and had a considerable variety in them: these he committed to writing, and read, for the sake of greater distinctness and accuracy. He composed a variety of Catechisms for the improvement of youth, prayers for the

* Besides the ample testimonies of approbation which Dr. Priestley received from the three congregations above mentioned in his life-time, the congregation of the *New Meeting* at Birmingham have erected a monument to his memory in their place of worship since his decease, sufficiently expressive of his merit and their attachment; which will be found at the end of this work.

use

use of families, and devotional offices for that of Unitarian Societies.

The cause of civil and religious liberty is particularly indebted to his labours. He was closely and fervently attached to the credit and interests of the Protestant Dissenters, and stood forth as their champion and defender on different occasions; and surely his strenuous exertions, and various well-composed and spirited publications in their behalf, will not be forgotten by that respectable body of men.

The Unitarians can *never forget* his attachment to their cause, and the faithful and important services he performed by the publication of numerous works, and treatises, large and small, in their favour, and particularly in exploring the dark and intricate regions of ecclesiastical antiquity, in order more fully to corroborate their system; and maintaining the ground he had taken, and the advantages he had gained by superior research, perseverance, and acuteness.

When in the course of Providence he was called on to suffer persecution, obloquy and reproach, he supported these evils with exemplary fortitude and patience, and manifested a truly christian spirit of candour

candour and forgiveness. When residing in America, and separated from his former congregations and religious friends, he still kept up the forms of public worship on the Lord's day, and neither the smallness of his auditory, nor the odium under which some of his tenets lay, could prevent him from discharging these labours of love.

Not only his numerous works in general, but even his prefaces and dedications, are pregnant with important matter and sentiment, and deserve to be read. He was indeed a most extraordinary man, and making candid allowances for some mistakes and inadvertencies to which all controversial writers are more or less liable, may be stiled the *Luminary* of his day. He retained the vigour of his faculties and his habits of unremitted exertion to the last; for in his latest compositions, there are no marks of intellectual decay, and he died with serenity and composure, after having finished the labours of a long and useful life.

CALEDONICUS AMERICANUS.

Northumberland, Pennsylvania, 1804,
10th July, 1805.

THIS TABLET

Is consecrated to the Memory of the

REV. JOSEPH PRIESTLEY, L. L. D.

by his affectionate Congregation,

in Testimony

of their Gratitude for his faithful Attention

to their spiritual Improvement,

and for his peculiar Diligence in training up their Youth

to rational Piety and genuine Virtue:

of their Respect for his great and various Talents,

which were uniformly directed to the noblest Purposes;

and of their Veneration

for the pure, benevolent, and holy Principles,

which through the trying Vicissitudes of Life,

and in the awful hour of Death,

animated him with the hope of a blessed Immortality.

His Discoveries as a Philosopher

will never cease to be remembered and admired

by the ablest Improvers of Science.

His Firmness as an Advocate of Liberty,

and his Sincerity as an Expounder of the Scriptures,

endeared him to many

of his enlightened and unprejudiced Contemporaries.

His Example as a Christian

will be instructive to the Wise, and interesting to the Good,

of every Country, and in every Age.

He was born at Fieldhead, near Leeds, in Yorkshire,

March 24, A. D. 1733.

Was chosen a Minister of this Chapel, Dec. 31, 1780.

Continued in that Office Ten Years and Six Months.

Embarked for America, April 7, 1794.

Died at Northumberland, in Pennsylvania, Feb. 6, 1804.

A

CATALOGUE OF BOOKS

WRITTEN BY

DOCTOR PRIESTLEY.

On General Philosophy.

1. THE History and present State of Electricity, with original Experiments, illustrated with Copper-plates; 5th edition, corrected.
2. A Familiar Introduction to the Study of Electricity; 5th edition, 8vo.
3. The History and present State of Discoveries relating to Vision, Light, and Colours; 2 vols. 4to. illustrated with a great number of Copper-plates.
4. Heads of a Course of Lectures on Experimental Philosophy, including Chemistry.
5. A Familiar Introduction to the Theory and Practice of Perspective, with Copper-plates.

On Pneumatic Chemistry.

6. Experiments and Observations on different kinds of Air and other branches of Natural Philosophy, connected with the subject, 3 vols. 8vo. being the former six volumes abridged and methodised, with many additions.
7. Philosophical Empiricism; containing Remarks on a Charge of Plagiarism, made by Dr. Higgins; interspersed with Observations relating to different kinds of Air.—Pamphlet.
8. Experiments relating to the Decomposition of Dephlogisticated and Inflammable Air; and on the Generation of Air from Water.—Pamphlet.

9. On the Analysis of Atmospherical Air; with further Experiments on the Generation of Air from Water.—Pamphlet.

10. Considerations on the Doctrine of Phlogiston and the Decomposition of Water, in two Parts.—Pamphlet.

11. The Doctrine of Phlogiston established; with Observations on the Conversion of Iron into Steel, in a Letter to Mr. Nicholson. Northumberland, 1803.—Pamphlet.

Besides these, there are several detached papers and communications to various Philosophical Societies, noticed in Appendix, No. I.

On Metaphysicks.

12. An Examination of Dr. Reid's Inquiry into the Human Mind, on the Principles of Common Sense; Dr. Beattie's Essay on the Nature and Immutability of Truth; and Dr. Oswald's Appeal to Common Sense, in behalf of Religion, 8vo.

13. Hartley's Theory of the Human Mind, on the Principle of the Association of Ideas, with Essays relating to the subject of it, octavo.

14. Disquisitions relating to Matter and Spirit. To which is added, the History of the Philosophical Doctrine concerning the Origin of the Soul, and the Nature of Matter; with its influence on Christianity, especially with respect to the Doctrine of the Pre-existence of Christ. Also, the Doctrine of Philosophical Necessity illustrated, 2d edition, enlarged and improved; with Remarks on those who have controverted the principles of them, 2 vols. 8vo.

15. A Free Discussion of the Doctrines of Materialism and Philosophical Necessity, in a Correspondence between Dr. Price and Dr. Priestley; to which are added, by Dr. Priestley, an Introduction, explaining the nature of the controversy, and Letters to several writers, who have animadverted on his Disquisitions relating to Matter and Spirit, or his Treatise on Necessity, 8vo.

16. A Defence of the Doctrine of Necessity, in two Letters, to the Rev. Mr. John Palmer.—Pamphlet.

17. A Letter to Jacob Bryant, Esq. in defence of Philosophical Necessity —Pamphlet.

18. A Philosophical Inquiry concerning Human Liberty, by W. Collins, Esq. with a Preface by Dr. Priestley.—Pamphlet.

On Civil Liberty.

19. Present State of Liberty in Great-Britain and the Colonies. 1769.—Pamphlet.

20. An

20. An Essay on the first Principles of Government, and on the Nature of Political, Civil, and Religious Liberty, 2d edition, 8vo. In this edition are introduced the Remarks on Church Authority, in answer to Dr. Balguy, formerly published separately.

21. Political Dialogues on the General Principles of Government. 1791, 12mo.—Pamphlet.

22. Letters to the Right Hon. Edmund Burke, on his Reflections on the Revolution in France, 8vo.—Pamphlet.

23. An Address to Protestant Dissenters of all denominations, on the approaching election of Members of Parliament; with respect to the state of public Liberty in general, and of American Affairs in particular. London, 1776.—Pamphlet.

24. Letters to the Inhabitants of Northumberland.—Pamphlet.

On Religious Liberty.

25. A Free Address to Protestant Dissenters as such. By a Dissenter.—Pamphlet.

26. Remarks on certain passages in Blackstone's Commentaries on the Laws of England, relating to the Dissenters.—Pamphlet.

27. A View of the Principles and Conduct of the Protestant Dissenters, with respect to the civil and ecclesiastical Constitution of England. —Pamphlet.

28. A Free Address to those who petitioned, in 1780, for the Repeal of a late Act of Parliament in favour of the Roman Catholics.—Pamphlet.

29. Letter of Advice to the Dissenters who conduct the application to Parliament for Relief in matters of Subscription.—Pamphlet.

30. A Letter to the Right Hon. William Pitt, first Lord of the Treasury, and Chancellor of the Exchequer, on the subject of Toleration and Church Establishments; occasioned by his Speech against the Repeal of the Test and Corporation Acts.—Pamphlet.

31. A Sermon preached before the Congregations of the Old and New Meetings at Birmingham, Nov. 5, 1789, recommending the conduct to be observed by Dissenters in order to procure the repeal of the Corporation and Test Acts.

32. Familiar Letters, addressed to the Inhabitants of the Town of Birmingham, in refutation of several charges advanced against the Dissenters and Unitarians, by the Rev. Edward Burn, in answer to his on the Infallibility of the Apostolic Testimony concerning the Person of Christ. And Considerations on the differences of opinion among Christians, in answer to the Rev. Mr. Venn.

33. An Appeal to the Public on the subject of the riots in Birmingham, in two parts, 8vo.

On

On Ecclesiastical History.

34. A History of the Corruptions of Christianity, with a general conclusion, in two parts. Part I. containing Considerations addressed to the Advocates for the present Establishment, and especially to Bishop Hurd, 2 vols. 8vo.

35. A Reply to the Animadversions on the History of the Corruptions of Christianity, in the Monthly Review for June, 1783; with Observations relating to the Doctrine of the Primitive Church, concerning the Person of Christ, 8vo.—Pamphlet.

36. Remarks on the Monthly Review of the Letters to Dr. Horsley; in which the Rev. Mr. Samuel Badcock, the writer of that Review, is called upon to defend what he has advanced in it.—Pamphlet.

37. Letters to Dr. Horsley, Archdeacon of St. Alban's, in three parts, containing farther evidence that the Primitive Christian Church was Unitarian, 8vo.

38. A History of Early Opinions concerning Jesus Christ, compiled from original writers; proving that the Christian Church was at first Unitarian, 4 vols. 8vo.

39. A General History of the Christian Church, to the Fall of the Western Empire, in 2 vols. 8vo.

40. A Continuation of the History of the Christian Church, from the Fall of the Western Empire, to the present times, 4 vols. 8vo.—Northumberland, 1803.

41. A History of the Sufferings of Lewis de Marolles, and Mr. Isaac Le Fevre, upon the revocation of the edict of Nantz; with a Preface, 8vo.

On the Evidences of the Christian Revelation.

42. Institutes of Natural and Revealed Religion, in 2 vols. 8vo.

43. An Outline of the Evidences of Revealed Religion, 12mo. Philadelphia, 1797.—Pamphlet.

44. Letters to a Philosophical Unbeliever, containing an Examination of the principal Objections to the Doctrine of Natural Religion, and especially those contained in the writings of Mr. Hume. Also, a State of the Evidence of Revealed Religion, with animadversions on the two last chapters of the first volume of Mr. Gibbons's History of the Decline and Fall of the Roman Empire; and an Answer to the Letters of Mr. William Hammon, 2 vols. 8vo.

45. A com-

45. A Comparison of the Institutions of Moses, with those of the Hindoos and other ancient nations, 8vo. Northumberland, 1799.

46. A Comparison of the Doctrines of Heathen Philosophy compared with Christianity, 8vo. Northumberland, 1804.

47. Discourses on the Evidences of Divine Revelation, 3 vols. 8vo. London and Philadelphia.

48. A View of Revealed Religion. A Sermon on the Admission of the Rev. W. Field, of Warwick, with a Charge by the Rev. Thomas Belsham. Pamphlet.

49. On the Originality and the superior excellence of the Mosaic Institutions. Pamphlet. Northumberland.

50. Letters to the Philosophers and Politicians of France, on the subject of Religion. Pamphlet.

51. A Continuation of the Letters to the Philosophers and Politicians of France, with a Preface by the Rev. Theophilus Lindsey, being an answer to Paine's Age of Reason. Pamphlet.

52. Letters to the Jews; inviting them to an amicable discussion of the Evidences of Christianity, in two parts. Pamphlet.

53. A Discourse on the Evidence of the Resurrection of Jesus.

54. Observations on the Increase of Infidelity, with observations on the writings of several Modern Unbelievers, and especially the Ruins of Mr. Volney. Northumberland and Philadelphia, 1797.—Pamphlet.

55. Letter to Mr. Volney, occasioned by his work called, The Ruins, and by his letter to the Author. Philadelphia. Pamphlet.

56. Socrates and Jesus compared. Philadelphia. Pamphlet.

57. Two Letters to the Rev. John Blair Lynn, Pastor of the First Presbyterian Church in Philadelphia, in defence of the Pamphlet, entitled, Socrates and Jesus compared. Northumberland, 1803.

Tracts in Defence of Unitarianism.

58. Defences of Unitarianism, for the year 1786; containing Letters to Dr. Horne, Dean of Canterbury; to the Young Men, who are in a course of education for the Christian Ministry, at the Universities of Oxford and Cambridge; to Dr. Price and to Mr. Parkhurst, on the subject of the Person of Christ.

59. Defence of Unitarianism, for the year 1787; containing Letters to the Rev. Dr. Geddes, to the Rev. Dr. Price, Part II. and to the Candidates for Orders in the two Universities, Part II. relating to Mr. Howes's Appendix to his fourth volume of Observations on Books, a Letter by an Under-graduate of Oxford, Dr. Croft's Bampton Lectures, and several other publications.

60. Defences

60. Defences of Unitarianism for the years 1788 and 1789; containing Letters to the Bishop of St. David's; to the Rev. Mr. Barnard; to the Rev. Dr. Knowles, and the Rev. Mr. Hawkins.

61. A Letter to a Layman, on the subject of Mr. Lindsey's proposal for a reformed English Church, on the plan of the late Dr. Samuel Clarke. Pamphlet.

62. An Appeal to the serious and candid professors of Christianity, on the following subjects, viz: 1. The Use of Reason in Matters of Religion. 2. The Power of Man to do the Will of God. 3. Original Sin. 4. Election and Reprobation. 5. The Divinity of Christ; and 6. Atonement for Sin by the Death of Christ; to which is added, a concise History of those Doctrines, and an account of the trial of Mr. Elwall, for Heresy and Blasphemy, at Stafford Assizes.—— Pamphlet.

63. Letters to the anonymous answerer of the Appeal; and Queries to the Rev. Thomas Morgan, and Mr. Cornelius Caley. Leeds, 1771.

64. A Familiar Illustration of certain passages of Scripture relating to the same subjects. Pamphlet.

65. A General View of the Arguments for the Unity of God, and against the Divinity and Pre-existence of Christ, from Reason, from the Scriptures, and from History. Pamphlet.

66. Unitarianism explained and defended, in a Discourse delivered at Philadelphia, in the year 1796. Pamphlet.

67. An Address to the Unitarian Congregation at Philadelphia.— Pamphlet.

Miscellaneous Theology.

68. A Harmony of the Evangelists in Greek; to which are prefixed, Critical Dissertations in English, 4to.

69. A Harmony of the Evangelists in English, with Notes and an occasional Paraphrase for the use of the unlearned. To which are prefixed, Critical Dissertations, and a Letter to Bishop Newcome, 4to.

70. Forms of Prayer, and other Offices, for the Use of Unitarian Societies, 8vo.

71. Discourses on various subjects, viz. On resigning the Pastoral Office at Leeds—on undertaking the Pastoral Office at Birmingham—The proper Constitution of a Christian Church, with a Preface on the present state of those who are called rational Dissenters—The Importance and Extent of Free Inquiry—The Doctrine of Divine Influence on the Human Mind—Habitual Devotion—The Duty of not living to ourselves—The Danger of bad Habits—The Duty of not being ashamed of the Gospel—Glorying in the Cross of Christ—Taking the Cross and following Christ—The Evidence of Christianity from the Persecution of Christians, 8vo.

72. Notes

72. Notes on all the Books of the Old and New Testament, for the use of the Pulpit and private families, 4 vols. 8vo. Northumberland, 1804.

73. Letters to the Members of the New Jerusalem Church, founded by Baron Swedenborg. Pamphlet,

74. Letters to a Young Man, occasioned by Mr. Wakefield's Essay on Public Worship. Pamphlet.

75. Letters to a Young Man, Part II. in reply to Mr. Evanson, on the Dissonance of the Gospels. Pamphlet.

76. Three Letters to Dr. Newcome, Bishop of Waterford, on the Duration of our Saviour's Ministry. Pamphlet.

77. An Index to the Bible, in which the various subjects which occur in the Scriptures are alphabetically arranged, with accurate references to all the Books of the Old and New Testaments, 12mo. Philadelphia, 1804.

78. A Free Address to Protestant Dissenters, on the subject of the Lord's Supper. Pamphlet.

79. An Address to Protestant Dissenters, on the subject of giving the Lord's Supper to Children. Pamphlet.

80. A Free Address to Protestant Dissenters, on the subject of Church Discipline; with a preliminary Discourse concerning the Spirit of Christianity, and the Corruptions of it by false notions of religion. Pamphlet.

81. Letters to the Author of Remarks on several late publications, relative to the Dissenters, in a Letter to Dr. Priestley. Pamphlet.

82. Letters to an Antipœdo-Baptist. Pamphlet. Northumberland.

83. On the Knowledge of a future State among the Hebrews. Northumberland. Pamphlet.

84. The Theological Repository, edited by Dr. Priestley, in six vols. 8vo.

85. Letters of the Rev. John Wesley, with an Address to the Methodists. Pamphlet.

86. A Catechism for children and young persons.

87. A Scripture Catechism, consisting of a series of questions, with references to the Scriptures, instead of answers.

88. Dr. Watts' Historical Catechism, with alterations.

89. Considerations for the Use of Young Men, and the Parents of Young Men.

90. A Serious Address to Masters of Families, with Forms of Family Prayer. Pamphlet.

91. The proper Objects of Education in the present state of the world, represented in a Discourse delivered April 27, 1791, to the Supporters of the New College at Hackney, with a Prayer, by the Rev. Mr. Belsham. Pamphlet.

92. A Discourse on occasion of the death of Dr. Price, delivered

at

at Hackney, May 1, with a short sketch of his life and character, and a list of his writings. Pamphlet.

93. A particular Attention to the Instruction of the Young, recommended in a Discourse at Hackney, Dec. 31, 1791, on entering on the Pastoral Office there. Pamphlet.

94. The Duty of Forgiveness; a Discourse intended to have been delivered soon after the Riots in Birmingham. Pamphlet.

95. A Sermon on the Slave Trade, preached at Birmingham, 1788. Pamphlet.

96. Reflections on Death; a Sermon on the death of the Rev. Robert Robinson, of Cambridge. Pamphlet.

97. A Sermon on the Fast-day, 1793. Pamphlet.

98. Two Sermons. 1. On the Fast-day, 1794, with a Preface; containing the Author's reasons for leaving England. 2. The Use of Christianity, especially in difficult times; being the Author's Farewel Discourse to his Congregation. Pamphlet.

99. The Case of the poor Emigrants recommended, in a Discourse delivered at Philadelphia, A. D. 1797. Pamphlet.

100. Four posthumous Sermons, published by direction of the Author. Northumberland. 1806.

Miscellaneous Literature.

101. A new Chart of History, containing a View of the principal revolutions of empire that have taken place in the world, to the close of 1800; with a book describing it, containing an epitome of Universal History.

102. A Chart of Biography, to the close of 1800; with a Book containing an Explanation of it, and a catalogue of all the names inserted in it.

103. The Rudiments of English Grammar, adapted to the use of schools.

104. The same Grammar, with Notes and Observations, for the use of those who have made some proficiency in the language.

105. Lectures on History and General Policy; to which is prefixed, an Essay on a course of liberal education for civil and active life, 4to. or in 2 vols. 8vo.

106. Observations relating to Education; more especially as it respects the mind. To which is added, an Essay on a course of liberal education for civil and active life.

107. A Course of Lectures on Oratory and Criticism, 4to.

108. Account of a Society for the Relief of the industrious Poor, with a recommendation of Benefit Societies. Pamphlet.

It

It was my intention, as expressed in a note, p. 121, to have selected some of the following ADDRESSES, and have published them at length; as furnishing the most satisfactory evidence how highly my Father's character was approved of both in England and America. But as I do not wish to swell the volume with what readers in general may not deem interesting, I shall simply give a list of the honourable testimonies of affection and respect, which he received on occasion of the Riots at Birmingham, his leaving Great Britain, and his arrival in this country.

On Occasion of the Riots at Birmingham.

From the Old Meeting Congregation at Birmingham.
Five Addresses from the New Meeting Society of the same place, with 500l. and invitations to return.
Two from the classes of young people belonging to the Societies instructed by Dr. Priestley.
From the Carr's-lane Congregation, Birmingham.
Address from the Dissenters at Yarmouth, and another from Norwich, with a subscription of 232l.
Address from the Philosophical Society at Derby.
Address from the Dissenters of the county of Hertford.
From Royston in Hertfordshire.
From the Unitarian Society in London.
From the Students of the New College at Hackney.
From the Dissenters in London to the Dissenters in Birmingham, on occasion of the Riots.
From the Dissenters of Bath.
From the Dissenters at Bristol.
From the Dissenting Ministers of Lancashire.
From sundry inhabitants of Manchester, with a subscription.
From the Dissenters of the West Riding of York.
From the Mill-hill Society at Leeds.
From the Dissenters of Wakefield.
From the Dissenters of Maidstone.
From the Dissenters of Taunton in Devonshire.
From the Dissenters of Exeter.
From the Dissenting Ministers in Wales.
From the London Revolution Society.
From the Manchester Constitutional Society.
From the Societies of the Friends of the Constitution at Paris, Lyons, Nantes, Clermont, Marmonde, Strasbourg, Toulouse, Chalons sur Saone.
From the Academy of Sciences at Paris (Condorcet, Sec.)

On Occasion of his leaving England.

From the United Congregations at Birmingham.
From the Congregation at Hackney.

From the young men and women of the classes belonging to that Congregation,
From the Committee of Trustees of Hackney College.
From the Students and Pupils of Hackney College (three addresses.)
From the Unitarian Society at London.
From the Philosophical and Literary Society in London (Dr. J. Aikin, Sec.)
From the United Irishmen of Dublin.

On his Arrival in America.

From the Eclectic Society of New York, Aug. 1794.
From a number of persons at New York engaging to attend a course of Experimental Philosophy, Aug. 1794.
From the Republican natives of Great Britain and Ireland, resident in New York, June 1794.
From the Associated Teachers in New York, June 1794.
From the Tammany Society at New York, Aug. 1794.
From the Democratic Society at New York.
From the Medical Society at New York, June 1794.
From the American Philosophical Society, June 1794, Philadelphia.
From the Academy of Medicine. Philadelphia, May 1800.
From Chief Justice M'Kean, on behalf of the Trustees of the University of Pennsylvania, notifying Dr. Priestley's election as Professor of Chemistry, Nov. 1794.